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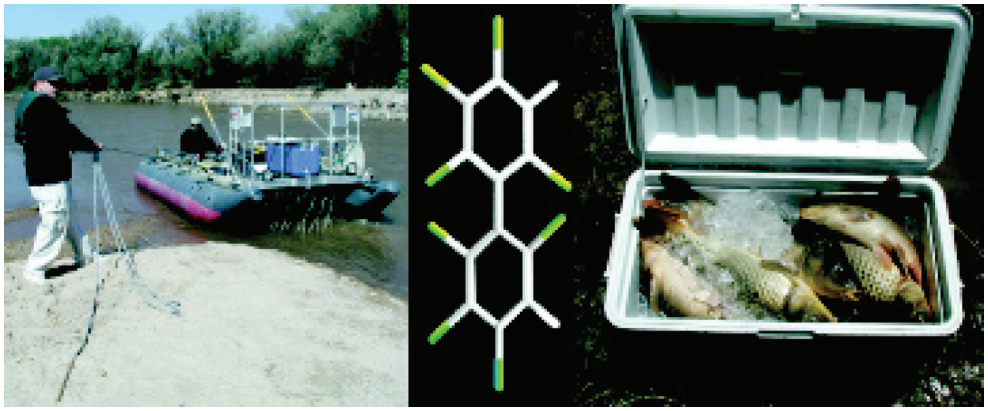
Polychlorinated Biphenyls (PCBs) in Catfish and Carp Collected from the Rio Grande Upstream and Downstream of Los Alamos National Laboratory: Revision 1



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Edited by Hector Hinojosa, Group IRM-CAS.

Front Cover: Left to right—Sampling crew launching electroshocking vessel in the Rio Grande; characteristic biphenyl rings in the chemical structure of PCBs (Flynn 1997); and common carp sampled from the Rio Grande.

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National Nuclear Security Administration

LA-14362
Issued: May 2008

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Gilbert J. Gonzales
Philip R. Fresquez

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Preface

The purpose of this revision is to correct an error associated with Table 4, section (b) Carp. Specifically, the polychlorinated biphenyl (PCB) data for carp collected upstream and downstream of Los Alamos National Laboratory (LANL) were inadvertently reversed. In this revision, the table heading and text referring to these carp comparisons were changed to reflect the correct data. Also, the supporting chain-of-custody documentation is added at the beginning of Appendix 2, Fish Data. Revised results show that PCBs in carp collected upstream of LANL (RGSI) were slightly higher than PCBs in carp collected downstream of LANL (RGTRT). However, as reported in the original report, the mean concentrations of PCBs in carp collected upstream and downstream were not statistically different from one another; so no major conclusions were affected because of this error.

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List of Acronyms

B	This compound was also detected in the method blank.
CBs	chlorinated biphenyls
DOE	U.S. Department of Energy
EPA	Environmental Protection Agency
LANL	Los Alamos National Laboratory
MDL	minimum detection level
ND	not detected
PCDFs	polychlorinated dibenzofurans
ppm	parts per million
ppt	parts per trillion
RCA/SJ	Rio Chama, Abiquiu to San Juan Pueblo
RCC/EV	Rio Chama, Chama to El Vado
RCCO/NM	Rio Chama, Colorado to New Mexico border
RCEV/A	Rio Chama, El Vado to Abiquiu
RGCO/NM	Rio Grande, Colorado to New Mexico border
RGNM/SC	Rio Grande, New Mexico border to San Cristobal
RGO/C	Rio Grande, Otowi Bridge to Cochiti
RGP/O	Rio Grande, Pilar to Otowi Bridge
RGSC/P	Rio Grande, San Cristobal to Pilar
RL	reporting limit
TCDD	tetrachlorodibenzodioxin
TEF	TCDD equivalency factors
TEQ	toxicity equivalent quotient
U	Qualified nondetect; sample result was less than or equal to 5 times (5×) the amount detected in the laboratory blank.

Polychlorinated Biphenyls (PCBs) in Catfish and Carp Collected from the Rio Grande Upstream and Downstream of Los Alamos National Laboratory: Revision 1

Gilbert J. Gonzales and Philip R. Fresquez

Abstract

Concern has existed for years that the Los Alamos National Laboratory (LANL), a complex of nuclear weapons research and support facilities, has released polychlorinated biphenyls (PCBs) to the environment that may have reached adjacent bodies of water through canyons that connect them. In 1997, LANL's Ecology Group began measuring PCBs in fish in the Rio Grande upstream and downstream of ephemeral streams that cross LANL and later began sampling fish in Abiquiu and Cochiti reservoirs, which are situated on the Rio Chama and Rio Grande upstream and downstream of LANL, respectively. In 2002, we electroshocked channel catfish (*Ictalurus punctatus*) and common carp (*Carpiodes carpio*) in the Rio Grande upstream and downstream of LANL and analyzed fillets for PCB congeners. We also sampled soils along the Rio Chama and Rio Grande drainages to discern whether a background atmospheric source of PCBs that could impact surface water adjacent to LANL might exist. Trace concentrations of PCBs measured in soil (mean = 4.7E-05 µg/g-ww) appear to be from background global atmospheric sources, at least in part, because the bimodal distribution of low-chlorinated PCB congeners and mid-chlorinated PCB congeners in the soil samples is interpreted to be typical of volatilized PCB congeners that are found in the atmosphere and dust from global fallout. Upstream catfish (n = 5) contained statistically (P = 0.047) higher concentrations of total PCBs (mean = 2.80E-02 µg/g-ww) than downstream catfish (n = 10) (mean = 1.50E-02 µg/g-ww). Similarly, upstream carp (n = 4) contained higher concentrations of total PCBs (mean = 7.98E-02 µg/g-ww) than downstream carp (n = 4) (3.07E-02 µg/g-ww); however, the difference was not statistically significant (P = 0.42). The dominant PCB homologue in all fish samples was hexachlorobiphenyls. Total PCB concentrations in fish in 2002 are lower than 1997; however, differences in analytical methods and other uncertainties exist. A review of historical quantitative PCB data for fish from the Rio Grande and Abiquiu and Cochiti reservoirs does not indicate a distinct contribution of PCBs from LANL to fish in the Rio Grande or Cochiti. Analysis of homologue patterns for fish does not provide sufficient evidence of a LANL contribution. Nevertheless, concentrations of PCBs in fillets of fish sampled from the Rio Grande are indicative of potential adverse chronic health impact from consumption of these fish on a long-term basis.

Introduction

Department of Energy (DOE) Orders 5400.1 and 5400.5 mandate the monitoring of foodstuffs at DOE sites in order to protect humans and ecosystems (USDOE 1991). Previous data have shown that elevated concentrations of polychlorinated biphenyls (PCBs) occur in fish at Cochiti and Abiquiu reservoirs (Fresquez and Gonzales 2000; Fresquez et al. 2001, 2002). The

concentrations previously measured in fish could present a potential risk that could result in consumption restrictions by the State of New Mexico according to U.S. Environmental Protection Agency (EPA) guidance (USEPA 2000). A concern that has repeatedly been posed is how much, if any, of this risk is contributed by the Los Alamos National Laboratory (LANL). This concern arises because LANL is situated adjacent to and upslope of the Rio Grande and has ephemeral streams in canyons that culminate at the Rio Grande (confluences) and have the potential to discharge into the Rio Grande. Like many other industrial sites, LANL historically used PCB-containing devices such as electrical transformers and unanticipated releases into the environment may have occurred.

The objectives of our study were to (1) gather information that will contribute, in part, to answering the question of LANL's contribution, if any, to PCB loads in bodies of water that are downstream of LANL, (2) continue to satisfy our federally mandated monitoring requirements, including the estimation of whether the Cerro Grande Fire had impacts to natural resources as related to legacy contamination at LANL, (3) establish the potential risk to humans from PCBs in fish, and (4) evaluate the dominant risk drivers (human risk versus ecological risk) in structuring the continued sampling and monitoring for our Environmental Surveillance Program.

In 2002, we collected fish from the Rio Grande at locations upstream and downstream of LANL stream confluences. We also collected soil along the Rio Chama and the Rio Grande from its origin in southern Colorado to north-central New Mexico downstream from LANL in order to establish background PCB levels from atmospheric sources that might affect PCBs in the fish we sampled. Previous sampling of whole-body fish from Cochiti Reservoir was done for the primary purpose of ecological risk screening, whereas in 2002 we sampled the edible portion of fish (fillets) for the primary purpose of human risk screening.

History

PCBs in Fish in the LANL Area. The presence of PCBs and other organic contaminants in fish worldwide and in the U.S. has been documented regionally since the 1970s (Stoker and Seager 1976, Schmitt et al. 1990), within New Mexico (Eisler 1986), and in the Rio Grande upstream and downstream from Los Alamos, as well as at Cochiti Reservoir (Roy et al. 1992, Carter 1997).

Fish tend to moderate the temporal and spatial variability of PCBs in abiotic environmental media such as sediment and soil and integrate, in a sense, PCB concentrations from surrounding areas. Fish and other organisms are also known to selectively retain certain PCBs while more effectively metabolizing and eliminating other PCBs.

Fish in waters adjacent to or potentially affected by LANL have been sampled and analyzed for organic contaminants intermittently since 1997 and yearly since 2000 (Gonzales et al. 1999; Fresquez and Gonzales 2000; Fresquez et al. 2001, 2002). This monitoring has been conducted as a component of LANL's Environmental Surveillance Program and most recently in response to the Cerro Grande Fire of 2000 as planned in a contaminant monitoring plan (Gonzales and Bare 2001). Emphasis on organic contaminants and PCBs, in particular, has resulted from concerns over the risk to humans from consuming fish from Cochiti Reservoir or the Rio Grande. And paramount to this issue of risk has always been interest in identifying and quantifying, if possible, the contributing sources of PCBs to the Rio Grande and Cochiti Reservoir.

The previous LANL studies on PCBs in fish have resulted in three main conclusions: (1) while the levels of PCBs measured in fish in the Rio Grande and Cochiti Reservoir did not exceed

guidance limits for even the most sensitive piscivores or other biota in related food chains, restrictions on fish consumption by humans have been consistently indicated by the PCB levels measured in edible portions of fish on the basis of recent EPA guidance (USEPA 2000); (2) focus in future years regarding health risk from PCBs in fish in the Rio Grande and Cochiti Reservoir should be on humans, not biota; and (3) on the basis of sampling and analysis of fish for PCBs, there is no clear evidence that LANL has served as a contributor.

As a result of this intensified interest and recent publicity concerning PCBs in fish and in LANL surface water, a PCB cooperative working group was organized in March 2002 to attempt to

- quantify the contribution of PCBs, if any, by LANL to nearby bodies of water,
- determine the spatial variability in PCB concentrations (including background) in regional soils,
- determine the spatial variability in PCB concentrations in surface water, sediments, and fish from LANL watersheds, and
- determine the spatial variability in PCB concentrations in the Rio Grande upstream and downstream of LANL (Mullen et al. 2002).

The results of the fish and soil sampling reported in this report are a component of the cooperative study.

PCBs–Their Origin, Use, and Ecotoxicology. The following information about PCBs is obtained from the EPA (USEPA 2002, 1996) and from the Agency for Toxic Substances and Disease Registry (ATSDR 2000). This information also appears in a report by the Northern New Mexico PCB Cooperative Group (Mullen et al. 2002).

PCBs are a category of chemicals that were manufactured in the U.S. between about 1930 and 1977, predominantly for use as coolants and lubricants due to their general chemical inertness and heat stability in electrical equipment such as capacitors and transformers. PCBs are complex mixtures of chlorinated biphenyls (CBs) that vary in the degree of chlorination. For example, the commercial product Aroclor 1254 is a mixture of mono- through hepta-CB congeners with an average chlorine content of approximately 54%. However, significant lot-to-lot differences in congeneric composition occurred among similar mixtures. The manufacture of PCBs in the U.S. was stopped because of evidence that they accumulate and persist in the environment and can be toxic.

PCBs are mixtures of synthetic organic chemicals that range from oily liquids to waxy solids. Due to their nonflammability, chemical stability, high boiling point, and electrical insulating properties, PCBs were used in hundreds of industrial and commercial applications. An important property of PCBs is their general inertness; they resist both acids and alkalis and have thermal stability. This made them useful in a wide variety of applications, including dielectric fluids in transformers and capacitors, heat transfer fluids, and lubricants. In general, PCBs are relatively insoluble in water, and the solubility decreases with increased chlorination. PCBs are also freely soluble in nonpolar organic solvents and biological lipids.

Before1974, PCBs were used both for nominally closed applications such as capacitors and transformers and heat transfer and hydraulic fluids. PCBs were also used in open-end applications such as flame retardants, inks, adhesives, microencapsulation of dyes for carbonless duplicating paper, paints, pesticide extenders, plasticizers, polyolefin catalyst carriers, slide-mounting mediums for microscopes, surface coatings, wire insulators, and metal coatings. As of

the late 1970s, Aroclors were no longer used in the production of capacitors and transformers. Nevertheless, the life expectancy of transformers containing PCBs is greater than 30 years, and the life expectancy of capacitors ranges from 10 to 20 years, depending on the electrical application. In 1981, an estimated 131,200 transformers containing PCBs were in service in the U.S., representing approximately 1% of all operational transformers (ATSDR 2000).

Each PCB molecule consists of two 6-carbon rings, with one chemical bond joining a carbon from each ring (imagine sunglasses with hexagonal frames). Chlorine can attach to any of the other 10 carbons; these positions are said to be substituted. There are 209 possible arrangements, called congeners; congeners with the same number of chlorines are called isomers. The number and position of chlorines determine a molecule's physical and chemical properties. The 10 positions are numbered 2–6 on one ring and 2'–6' on the other. For example, the congener 2,4,2',5'-tetrachlorobiphenyl has chlorines in positions 2 and 4 of one ring and 2' and 5' of the other. (Standard chemical notation for this congener is 2,2',4,5'-tetrachlorobiphenyl; instead, this assessment lists chlorines on one ring, then the other, to emphasize each ring's chlorination pattern.) Positions 2, 6, 2', and 6', adjacent to the bond, are called ortho positions; 3, 5, 3', and 5', meta positions; 4 and 4' (the outermost), para positions. The International Union of Pure and Applied Chemists has adopted an alternative system for numbering congeners sequentially from 1 to 209.

A molecule's two rings can twist on the bond joining them; they are coplanar if aligned in the same plane. Chlorine in ortho positions inhibits a coplanar alignment. Coplanar molecules have dioxin-like properties. PCB mixtures manufactured in the U.S. carried the trademark "Aroclor" followed by a four-digit number; the first two digits are "12," and the last two digits indicate the percent chlorine content by weight. For example, Aroclor 1260 contains approximately 60 percent chlorine by weight. Aroclor 1016 is an exception to this scheme; it contains approximately 41 percent chlorine. "Clophens" and "Kanechlors" are PCB mixtures manufactured in Germany and Japan, respectively; these series have their own numbering schemes. Table 1 shows the overlapping composition of some commercially manufactured mixtures.

Table 1. Typical composition (%) of some commercial PCB mixtures.

	Aroclor					Clophen		Kanechlor		
	1016	**1242**	**1248**	**1254**	**1260**	**A 30**	**A 60**	**300**	**400**	**500**
Mono-CBs	2	1	—	—	—	—	—	—	—	—
Di-CBs	19	13	1	—	—	20	—	17	3	—
Tri-CBs	57	45	21	1	—	52	—	60	33	5
Tetra-CBs	22	31	49	15	—	22	1	23	44	26
Penta-CBs	—	10	27	53	12	3	16	1	16	55
Hexa-CBs	—	—	2	26	42	1	51	—	5	13
Hepta-CBs	—	—	—	4	38	—	28	—	—	—
Octa-CBs	—	—	—	—	7	—	4	—	—	—
Nona-CBs	—	—	—	—	1	—	—	—	—	—
Deca-CB	—	—	—	—	—	—	—	—	—	—

Columns may not total 100% due to rounding; "—" signifies less than 1%. Lot-to-lot variability exists but has not been quantified. Source USEPA (1996).

PCBs, though not considered very flammable, are combustible, and the products of combustion may be more hazardous than the material itself. By-products of combustion include hydrogen chloride, polychlorinated dibenzodioxins (PCDDs), and polychlorinated dibenzofurans

(PCDFs) (ATSDR 2000). Because of their inflammability, chemical stability, and insulating properties, commercial PCB mixtures had been used in many industrial applications, especially in capacitors, transformers, and other electrical equipment. These chemical properties, however, also contribute to the persistence of PCBs after they are released into the environment. Because of evidence that PCBs persist in the environment and cause harmful effects, domestic manufacture of commercial mixtures was stopped in 1977. Existing PCBs, however, continue in use. Table 2 shows some commercial mixtures as a percentage of domestic production.

Table 2. Domestic production (%) of commercial PCB mixtures, 1957–1977.

Mixture	Percent of Production
Aroclor 1016	13
Aroclor 1221	1
Aroclor 1232	<1
Aroclor 1242	52
Aroclor 1248	7
Aroclor 1254	16
Aroclor 1260	11
Aroclor 1262	1
Aroclor 1268	<1

Source: USEPA 1996

From 1929 to 1977, unknown quantities of PCBs were released to the air during Aroclor production and processing and when PCB-contaminated equipment was incinerated. Similarly, transformer and capacitor producers discharged PCB-containing wastes to air during the various filling processes. Emissions are no longer discharged into the air through production activities; however, emissions may be discharged during the overhaul, repair, or reuse of materials containing PCBs. PCBs may have been released to the atmosphere from various past uses containing PCBs, for example, plasticizers, surface coatings, inks, adhesives, flame retardants, pesticide extenders, paints, and microencapsulation of dyes for carbonless duplicating paper; and, in addition, from the accidental losses of PCB fluids from capacitors and transformers (ATSDR 2000).

PCBs occur as mixtures of congeners, but in the environment, the composition differs from the original commercial mixtures. This is because after release into the environment, the composition of PCB mixtures changes over time, through partitioning, chemical transformation, and preferential bioaccumulation (USEPA 1996).

Partitioning refers to processes by which different fractions of a mixture separate into air, water, sediment, and soil. PCBs adsorb to organic materials, sediments, and soils; adsorption tends to increase with chlorine content of the PCBs and organic content of the other material. PCBs can volatilize or disperse as aerosols, providing an effective means of transport in the environment (Callahan et al. 1979). Congeners with low chlorine content tend to be more volatile and also more soluble in water. Vaporization rates and water solubility of different Aroclors and individual congeners vary over several orders of magnitude (USEPA 1996).

Atmospheric transport is the most important mechanism for global dispersion of PCBs. The lower CBs are more subject to volatilization and transport with major atmospheric currents. The higher CBs remain closer to the source. PCBs enter the atmosphere from volatilization from both soil and water surfaces. Once in the atmosphere, PCBs are present both in the vapor phase and

sorbed to airborne particles. PCBs in the vapor phase appear to be more mobile and are transported further than particle-bound PCBs. Wet and dry deposition remove PCBs from the atmosphere. The dominant source of PCBs to surface waters is atmospheric deposition; however, redissolution of sediment-bound PCBs also accounts for water concentrations. PCBs in water are transported by diffusion and currents. PCBs are removed from the water column by sorption to suspended solids and sediments as well as by volatilization from water surfaces (ATSDR 2000).

Once in the environment, PCBs do not readily break down and therefore may remain for very long periods of time. They can easily cycle between air, water, and soil. For example, PCBs can enter the air by evaporation from both soil and water. In air, PCBs can be carried long distances and have been found in snow and sea water in areas far away from where they were released into the environment, such as in the Arctic. As a consequence, PCBs are found all over the world. In general, the lighter the type of PCBs, the further they may be transported from the source of contamination. PCBs are present as solid particles or as a vapor in the atmosphere. They will eventually return to land and water by settling as dust or in rain and snow. In water, PCBs may be transported by currents, attach to bottom sediment or particles in the water, and volatilize into air. Heavy PCBs are more likely to settle into sediments while lighter PCBs are more likely to evaporate to air. Sediments that contain PCBs can also release the PCBs into the surrounding water. PCBs stick strongly to soil and will not usually be carried deep into the soil with rainwater. They do not readily break down in soil and may stay in the soil for years; generally, the more chlorine atoms that the PCBs contain, the more slowly they break down. Evaporation appears to be an important way by which the lighter PCBs leave soil. As a gas, PCBs can accumulate in leaves and aboveground parts of plants and food crops (ATSDR 2000).

Biodegradation transforms the chemical composition of PCB mixtures in the environment. Anaerobic bacteria in sediments selectively remove chlorines from meta and para positions, appearing to reduce the toxicity and bioaccumulation potential of residues; the occurrence and extent of these dechlorinations can be limited by sediment PCB concentrations. Dechlorination is not synonymous with detoxication, as congeners having carcinogenic activity can be formed through dechlorination. Aerobic bacteria remove chlorines from PCBs with low chlorine content (1–4 chlorines) and break open the carbon rings through oxidation. PCBs with higher chlorine content are extremely resistant to oxidation and hydrolysis. Photolysis can slowly break down congeners with high chlorine content. Overall, dechlorination processes are slow and altered PCB mixtures can persist in the environment for many years (USEPA 1996).

PCBs can accumulate selectively in living organisms because PCBs are highly soluble in lipids and are absorbed by fish and other animals. Rates of metabolism and elimination are slow and vary by congener. Bioaccumulation through the food chain tends to concentrate congeners of higher chlorine content, producing residues that are considerably different from the original Aroclors. PCB residues in fish and turtles, changed through environmental or metabolic alteration, may be difficult to characterize by Aroclor 1242, 1248, 1254, or 1260 standards, especially in higher trophic level animals. Congener distributions in higher trophic level species, including humans, do not resemble any Aroclor, because some congeners are preferentially retained. However, for low trophic level organisms (e.g., sturgeon [*Acipenser* spp.]), there is a strong correlation between the sum of Aroclors and the total PCBs obtained from full congener determinations (Sather et al. 2001). Bioaccumulated PCBs appear to be more toxic than commercial PCBs.

PCBs are widespread in the environment, and humans are exposed through multiple pathways. Levels in air, water, sediment, soil, and foods vary over several orders of magnitude, often

depending on proximity to a source of release into the environment. Average daily intake by humans via ambient air is about 100 ng, and about an order of magnitude higher if indoor concentrations are considered. Average daily intake via drinking water is less than 200 ng (ATSDR 1993). Estimates of average daily intake via diet vary widely depending on geographic area, food habits, and sampling methodology; 5–15 fg is considered a good estimate of average daily intake via diet in industrialized countries.

Although environmental mixtures are often characterized in terms of Aroclors, this can be both imprecise and inappropriate. Qualitative and quantitative errors can arise from judgments in interpreting the results of gas chromatography/mass spectrometry analyses, which reveal a spectrum of peaks that are compared with characteristic patterns for different Aroclors. For environmentally altered mixtures, an absence of these characteristic patterns can suggest the absence of Aroclors, even though some congeners may be present in high concentrations. Large differences have been found in results reported by laboratories analyzing the same sediment samples (USEPA 1996).

As nonpolar compounds, PCBs are hydrophobic and have strong particle and organic matter affinities. Until recently, analytical methods for the quantitation of PCBs relied upon gas chromatographic identification of isomeric mixtures (Aroclors). Identifying Aroclors in environmental samples is difficult because isomers weather at different rates altering the mixture composition. Newer analytical methods identify PCB congeners, which are individual compounds, not mixtures. These methods provide more reliable compound identification and have substantially lower method detection limits, on the order of 100 to 500 pg/L in water and 10 to 50 ng/kg in soil, tissue, and mixed-phase samples. With the advent of lower detection limits for PCB congeners, it is now becoming apparent that there is a widely distributed PCB signature in environmental media.

In 1976, Congress enacted the Toxic Substances Control Act (TSCA) that included, among other things, prohibitions on the manufacture, processing, and distribution in commerce of PCBs. TSCA legislated manufacture to disposal management of PCBs in the U.S.

The EPA has established a limit of 0.0005 mg/L PCBs in drinking water (0.5 μg/L). Discharges, spills, or accidental releases of one pound or more of PCBs into the environment must be reported to the EPA. The Food and Drug Administration requires that infant foods, eggs, milk and other dairy products, fish and shellfish, and poultry and red meat contain no more than 0.2–3 parts per million (ppm) in food. Many states have established fish and wildlife consumption advisories for PCBs (ATSDR 2000). Guidance on dietary limits for biota has been recommended by various authorities, most notably by Eisler (1986).

Methods

Regional Soils. Soil samples were collected in southern Colorado and north-central New Mexico within the Rio Chama and Rio Grande drainages (Fig. 1). Soils were analyzed for 209 PCBs to determine background PCB concentrations that might affect PCB concentrations in the waters of the Rio Grande and that can be assumed to contribute to PCB concentrations in the fish. Nine composite soil samples, each consisting of five subsamples, were collected. Five of the nine samples were collected from relatively undisturbed mesa top sites adjacent to the Rio Grande, starting from the Rio Grande Reservoir in Colorado to near Cochiti Reservoir in Santa Fe County, New Mexico. Four of the nine samples were collected from relatively undisturbed

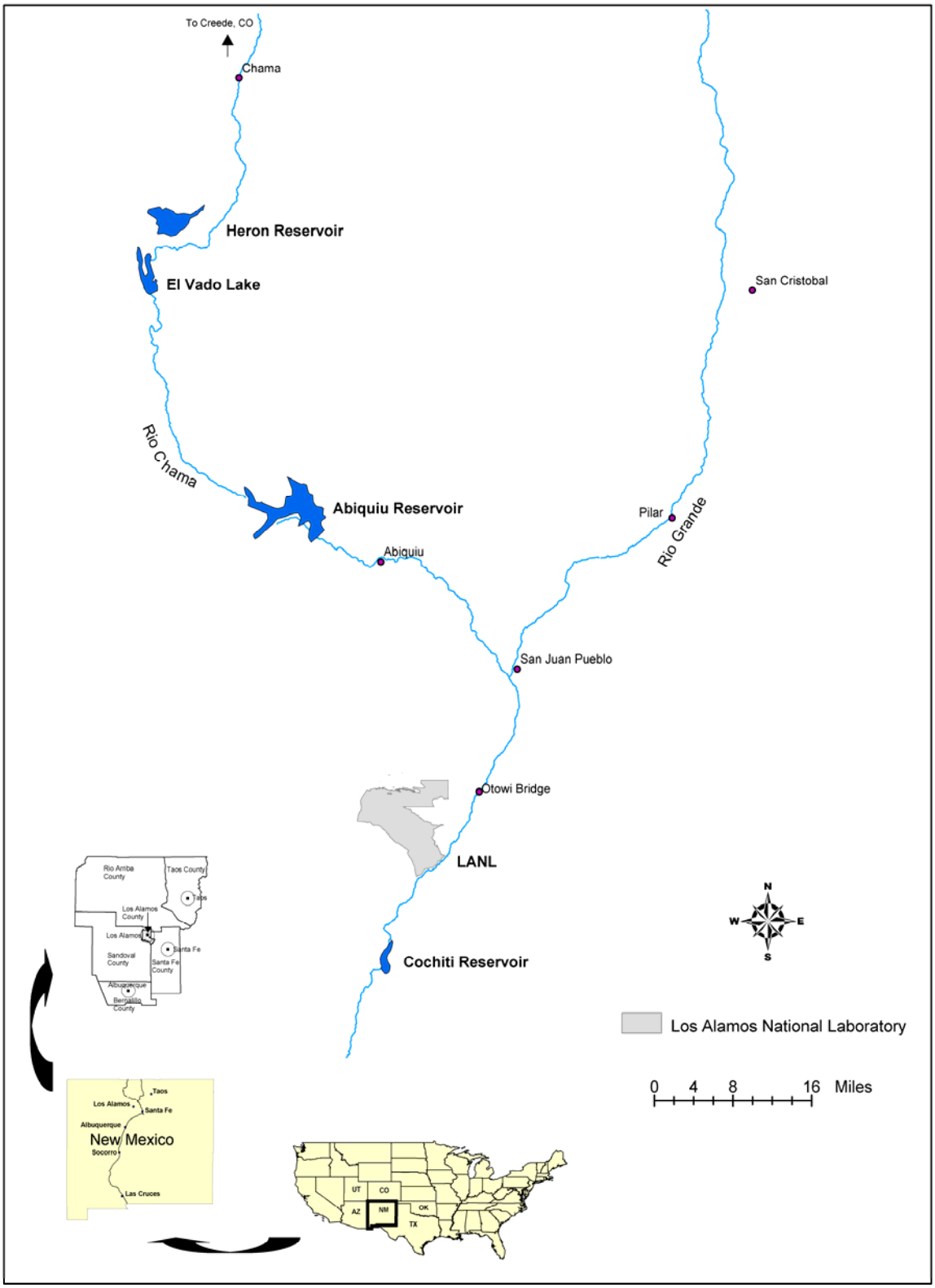


Figure 1. Locations of soil sampling along the Rio Grande and Rio Chama.

mesa top sites adjacent to the Rio Chama, from the head of the Rio Chama in Colorado to the San Juan Pueblo in Rio Arriba County, New Mexico. Data were validated following the guidelines recommended by the U.S. Environmental Protection Agency (USEPA 1999). As discussed below in the methods dealing with fish, Aroclor-equivalent concentrations were estimated and PCB homologues were summed and compared with plots of the homologue distribution of typical Aroclor formulations. No dioxin-like PCBs were detected, therefore toxicity equivalent quotients (TEQs) were not calculated.

Fish. In May 2002, a total of 15 channel catfish (*Ictalurus punctatus*) and eight common carp (*Carpiodes carpio*) were captured in the Rio Grande using a 5.0-kilowatt generator-powered pulsator electroshock device mounted on an SR-17 Cataraft research vessel. All fish kept for analysis were mature adults. Of the 15 catfish, 10 were caught in the Rio Grande from approximately 1 km upriver from the Otowi Bridge to the point where the Pojoaque River meets the Rio Grande (Fig. 2). This location is referred to as upstream from LANL. Of the eight carp, four were captured at the upstream locations. The remaining five catfish and four carp were captured downstream of the Otowi Bridge, between the confluence of Capulin Canyon and the inlet to Cochiti Reservoir (Fig. 2). This location is referred to as downstream from LANL. The fish were filleted (leaving the skin on) and frozen, and the fillets were submitted for analysis. Fillet samples were homogenized and analyzed for 209 possible congeners of PCBs using EPA Method 1668—high-resolution gas chromatography and high-resolution mass spectrometry. Reporting limits (the level above which the level of an analyte can be quantified with confidence) ranged from 0.005–0.04 ng/g (parts per billion [ppb]). Data were validated following the guidelines recommended by the U.S. Environmental Protection Agency (USEPA 1999).

To assess the possible contribution by LANL to PCBs in fish, we made statistical comparisons of the results from downstream samples to upstream samples. To obtain information about the dominant PCBs absorbed and stored by the fish, we summed congener concentrations into PCB homologues and compared homologue concentration patterns to homologue patterns of brand-name formulations. Fish and other biota selectively store the higher chlorinated PCB congeners more than lower chlorinated congeners and degrade other congeners making them subject to elimination from the body. Thus, biota skew the original Aroclor homologue patterns, or “fingerprints,” such that the makeup of a PCB mixture in a fish is different than the pattern that they ingested (Sather et al. 2001).

To assess the toxicity of PCBs, we summed the total PCB congener concentrations, calculated dioxin-like PCBs, and computed Aroclor equivalents, all three of which were compared to various human health benchmarks or protective limits. We also computed TEQs. Some structurally related aromatic hydrocarbons, such as the 12 dioxin-like PCBs and dioxins, invoke a number of common toxic responses. The relative toxicity or potency of the 12 dioxin-like PCBs compared with the toxicity of tetrachlorodibenzodioxin (TCDD) is known. On this basis, the World Health Organization has developed TCDD equivalency factors (TEFs) for the 12 congeners and a method by which their toxicity can be assessed. To evaluate the dioxin-like toxicity that PCBs can cause, the concentration of each congener in the tissue was multiplied by a TEF (Van den Berg et al. 1998), and the 12 resulting values were summed, resulting in a total TEQ. The TEQ can then be used in a number of ways such as comparison with a screening value or other benchmarks for TCDD. The 12 dioxin-like PCB congeners are PCB No. 77 (3,3',4,4'-TeCB), 81 (3,4,4',5-TeCB), 105 (2,3,3',4,4'-PeCB), 114 (2,3,4,4',5-PeCB), 118 (2,3',4,4',5-PeCB), 123 (2',3,4,4',5-PeCB), 126 (3,3',4,4',5-PeCB), 156 (2,3,3',4,4',5-HxCB), 157 (2,3,3',4,4',5'-HxCB), 167 (2,3',4,4',5,5'-HxCB), 169 (3,3',4,4',5,5'-HxCB), and 189

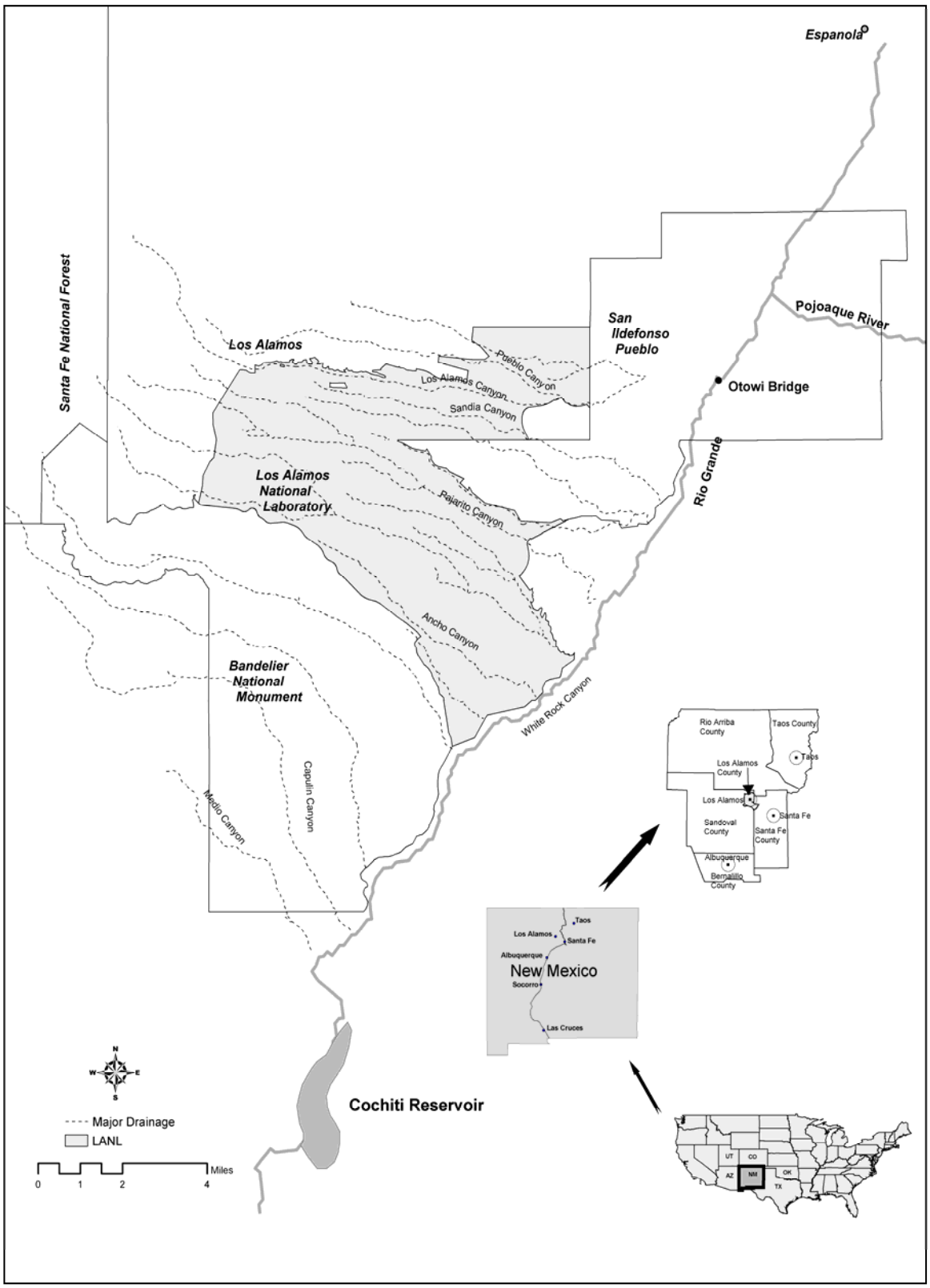


Figure 2. Locations of fish sampling along the Rio Grande and Rio Chama.

(2,3,3',4,4',5,5'-HpCB). TEQs from dioxins and other dioxin-like chemicals should also be added to PCB-based TEQs; however, we have been previously shown the TEQ contribution from dioxins and furans to be negligible, adding a maximum of 8.7E-07 pg/g to the total TEQ (Fresquez et al. 2002).

To assess trend, or change in PCB levels over time, we estimated Aroclor-equivalent concentrations from congener data and compared to our 1997 study of Aroclors in fish from the Rio Grande (Gonzales et al. 1999). We also estimated Aroclor-equivalent concentrations for fish captured at Cochiti Reservoir in 2000 and 2001. We estimated Aroclor-equivalent concentrations in the fish samples using the following equations (Axys 1999):

Aroclor 1242 = $\Sigma PCB_{8,18,31,28} \times 3.8$,

Aroclor 1254 = $\Sigma PCB_{87,97,99} \times 15$,

Aroclor 1260 = $\Sigma PCB_{183,180,170} \times 7.1$, and

Aroclor 1248 = $\Sigma PCB_{66,44,49} \times 5.5$.

Other studies have shown a strong correlation between total PCBs from Aroclors and the total PCBs from congeners (Sather et al. 2001). Where data from previous studies were in units of PCB congener concentrations for whole-body fish (including tissue that is not normally eaten), we first estimated congener concentrations in edible tissue (fillets) and then converted to Aroclor-equivalent concentrations as described above. Fresquez et al. (2002) compared PCB concentration ratios in edible (fillet) with nonedible (viscera [gills, gut, and organs] and carcass [bone, head, tail, and fins]) partitions of catfish and found that nonedible fish tissue contains about 75% of the whole-body total PCB concentration and skin-on fillet contains about 25% of the PCBs. This compares to the range in concentration of 0.026 to 97 ng/g-dry measured by Meijer et al. (2002) in soils at the 0 to 5-cm depth in a worldwide study of PCBs in background surface soils.

Results

Regional Soils. Summary data on total PCBs for the nine soil samples and one duplicate sample are shown in Table 3. Appendix 1 presents all of the soils data. Mean total PCBs for the nine samples was 0.047 ng/g-ww (0.045 ng/g-dry), with a standard deviation of 0.080 ng/g-ww, a detected minimum of 0.0050 ng/g-ww, and a maximum (Sample ID "Rio Grande/San Cristobal to Pilar") of 0.25 ng/g-ww. Concentrations per unit dry weight (dw) are also reported. One duplicate sample yielded good precision. The Rio Chama mean (0.018 ng/g-ww) total PCB concentration in soils was not statistically different (P = 0.37) from the Rio Grande mean (0.070 ng/g-ww). No dioxin-like PCBs were detected in the soil samples and the sample nearest LANL ("Rio Grande/Otowi Bridge to Cochiti") contained the lowest total PCB concentration.

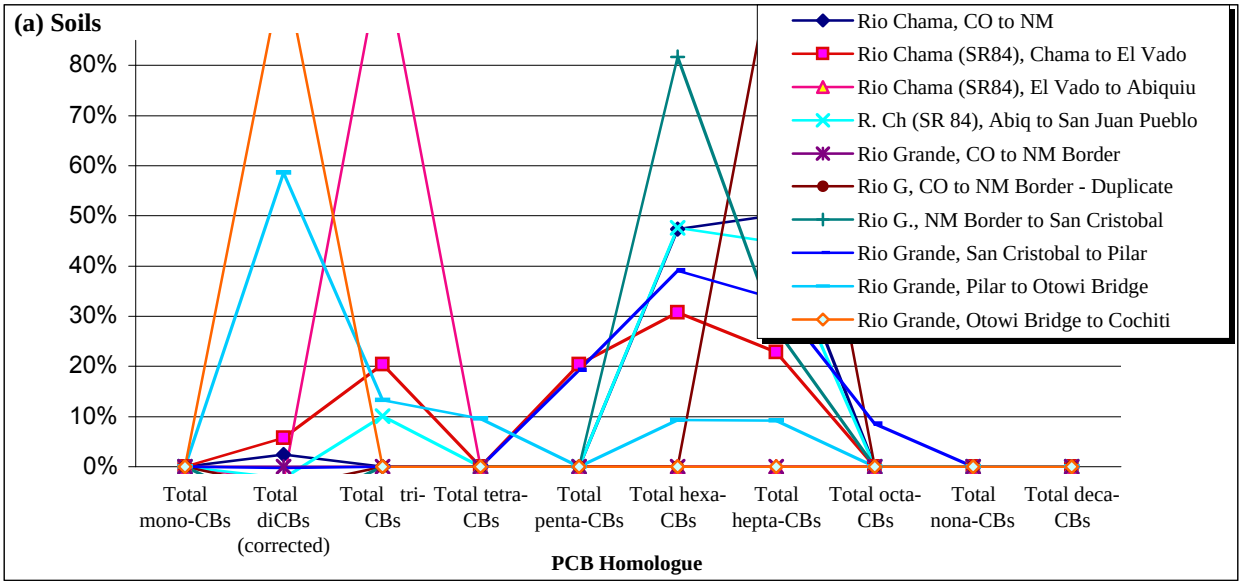
PCB homologue totals for the nine soil samples are also shown in Table 3. The PCB distribution is dominated by low- (mostly tri-CBs) and high-chlorinated (mostly hexa-CB) PCBs. The low-chlorinated CBs are most subject to volatilization/suspension into air and atmospheric transport.

In Figure 3 we compare the PCB homologue distribution in the nine soils to the typical composition of commercial PCB mixtures. The homologue plots are complex, but several of the soil samples might be dominated by Aroclor 1260 and weathered PCB mixtures, possibly

Table 3. Chlorinated biphenyl (CB) homologue distribution and total PCBs in background soil along the Rio Chama and Rio Grande drainages.

	ng/g-ww											
Sample ID	**Total mono-CBs**	**Total di-CBs**	**Total tri-CBs**	**Total tetra-CBs**	**Total penta-CBs**	**Total hexa-CBs**	**Total hepta-CBs**	**Total octa-CBs**	**Total nona-CBs**	**Total deca-CBs**	**Sum**	**ng/g-dw**
Rio Chama, CO to NM	0	U	0	0	0	0.00496	0.00525	0	0	0	**0.01021**	**0.00958**
Rio Chama (SR84), Chama to El Vado	0	U	0.00643	0	0.00645	0.00969	0.00719	0	0	0	**0.02976**	**0.02839**
Rio Chama (SR84), El Vado to Abiquiu	0	U	0.00504	0	0	0	0	0	0	0	**0.00504**	**0.00489**
Rio Ch. (SR 84), Abiquiu to San Juan Pueblo	0	U	0.00271	0	0	0.0128	0.012	0	0	0	**0.02751**	**0.02725**
RG, CO to NM Border-R	0	U	0	0	0	0	0.00499	0	0	0	**0.00499**	**0.00489**
Rio Grande, NM Border to San Cristobal	0	U	0	0	0	0.0153	0.00513	0	0	0	**0.02043**	**0.01979**
Rio Grande, San Cristobal to Pilar	0	U	0	0	0.0485	0.0985	0.0843	0.0216	0	0	**0.2529**	**0.24220**
Rio Grande, Pilar to Otowi Bridge	0	0.0445	0.00907	0.00659	0	0.00636	0.00634	0	0	0	**0.07286**	**0.07137**
Rio Grande, Otowi Bridge to Cochiti	0	U	0	0	0	0	0	0	0	0	**0**	**0.00000**
Mean											**0.04708**	**0.04537**
Std Deviation											**0.08026**	**0.07690**

U = Qualified nondetect; sample result was less than or equal to 5 times (5×) the amount detected in the laboratory blank.



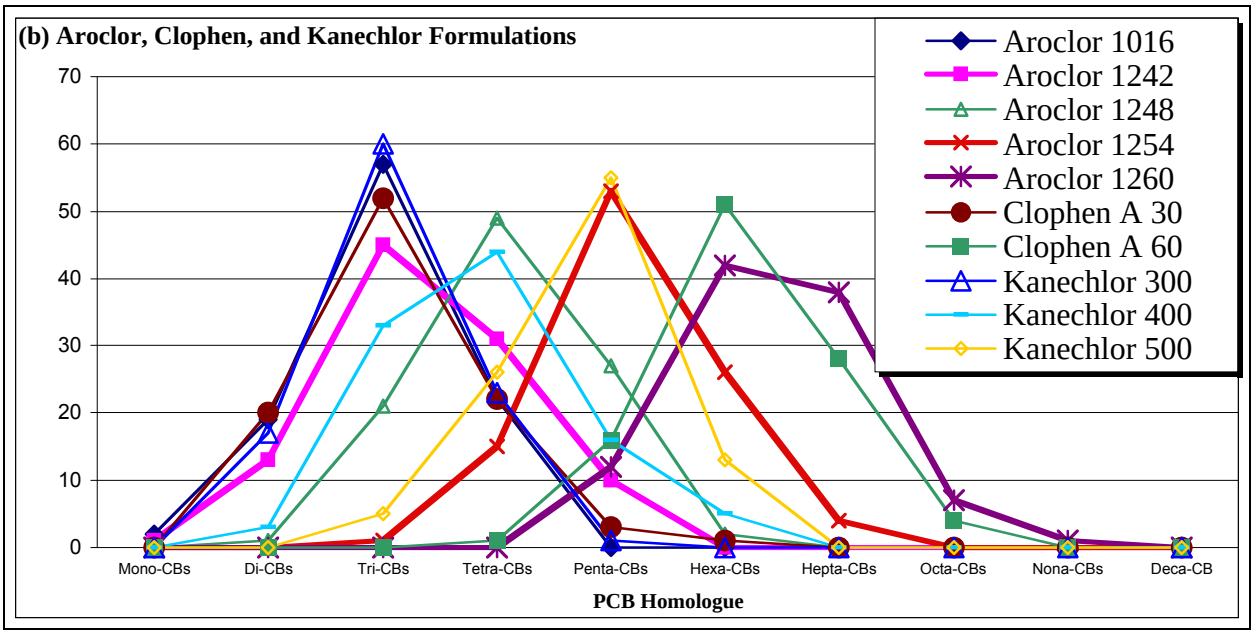


Figure 3. PCB homologue distribution in (a) nine soil samples and (b) typical brand-name formulations.

Aroclors 1242 and 1016. When we estimate Aroclor-equivalent concentrations in soil from congeners, Aroclor 1260 was dominant in terms of the number of samples (six out of nine) that had congener(s) tracking to that particular type of Aroclor; however, again it is important to note that the distribution of PCB congeners in Aroclors can be altered considerably by physical, chemical, and biological processes. Aroclor 1242 was next most common, estimated to be present in four of nine samples; Aroclor 1254 had one of nine, and none of the congeners that make up Aroclor 1248 were detected. Thus, our interpretation on the class of PCB mixture based on homologue distribution appears to be supported by the Aroclor-equivalent concentration estimation. Note that between 1957 and 1977, production of PCBs in the U.S. was dominated by Aroclor 1242 (see Table 2) (USEPA 1996). Clophens and Kanechlors are PCB mixtures manufactured in Germany and Japan, respectively, and were used very little in the U.S.

Total PCBs in Fish. A summary of the results for fish is in Table 4 and detailed results are tabulated in the Appendix 2. The upstream mean (n = 5) total PCB concentration in catfish was 2.80E-02 μg/g-ww (ppm), and the downstream mean (n = 10) was 1.50E-02 μg/g-ww. The upstream mean total PCB concentration was 86% higher than the downstream mean, and the difference was statistically significant (P = 0.047). Similarly, the mean total PCB concentration for carp collected downstream of LANL was 3.07E-02 μg/g-ww and was slightly lower than the upstream mean of 7.98E-02 μg/g-ww; the difference was not statistically significant (P = 0.21), however.

Potential Consumption Restrictions. Catfish results were compared to EPA guidance on restricting the consumption of fish based on measured PCB concentrations. On the basis of the guidance (USEPA 2000), all data types (mean total PCB concentrations, Aroclor 1254 equivalents, and dioxin TEQs) would result in fish consumption restrictions for both sample sets (upstream and downstream) of fish. The TEQ concentration at or below which no consumption restrictions would be recommended is 0.019 pg/g-FW (ppt); the Aroclor 1254 concentration at or below which no consumption restriction would be recommended neither on a cancer nor noncancer basis is 0.0015 μg/g-FW. The most limiting of the three data types are the TEQs, which are shown in Table 4. The mean total TEQ of 1.55 pg/g for catfish upstream of LANL would limit the consumption to <0.5 meals per month, and the downstream mean total TEQ of 0.29 pg/g for catfish would limit the consumption of those fish to two meals per month. The limiting EPA values are on the basis of cancer health endpoints and have several conservatisms (factors, assumptions, or values that result in higher risk estimates than would occur in reality) built in that provide extra protection of human health. TEQs from dioxins and furans have been previously shown to be very insubstantial, adding a maximum of 8.7E-07 pg/g (Fresquez et al. 2002). TEQs for carp were computed but we did not calculate consumption restrictions because people rarely eat carp due to their high bone and fat content and their low palatability. Consumption limits of carp on the basis of noncancer health endpoints would be less restrictive than for catfish.

Homologues as Indicators of Aroclor Sources. Summed PCB homologues for each fish sample were compared to homologue patterns of brand-name formulations in an attempt to gain information about the dominant PCB absorbed and stored by the catfish. Plots of the measured homologue concentrations (as percentage of total) and of various Aroclor-brand PCB mixtures are shown in Figure 4. Accumulation of PCBs by both the downstream and upstream fish would appear to have been dominated by Aroclor 1260 because the peak in homologue distribution is at

Table 4. Total PCB concentrations and TEQs in fillets of (a) catfish and (b) carp collected from the Rio Grande in May 2002. Values are based on full congener determinations.

(a) Catfish

Downstream of LANL			Upstream of LANL		
Sample ID	**Concentration (µg/g-ww)**	**TEQ (pg/g)**	**Sample ID**	**Concentration (µg/g-ww)**	**TEQ (pg/g)**
#1 CATCAP (A)	4.54E-02	0.97	**#8 CATREF (A)**	3.04E-02	1.89
#2 CATCAP (A)	0.991E-02	0.19	**#18 CATREF (A)**	1.36E-02	0.26
#3 CATMED (A)	1.14E-02	0.22	**#19 CATREF (A)**	3.75E-02	1.90
#4 CATMED	0.967E-02	0.14	**#10 CATREF (A)**	3.04E-02	1.69
#5 CATMED	0.850E-02	0.12	**#21 CATREF (A)**	2.79E-02	2.01
# 6 CATMED (A)	0.986E-02	0.15			
# 7 CATMED (A)	2.06E-02	0.57			
# 8 CATMED (A)	1.82E-02	0.33			
#18 CATSED	0.985E-02	0.08			
#12 CATSED	0.679E-02	0.15			
Mean	1.50E-02	0.29		2.80E-02	1.55
Std Deviation	1.09E-02			0.788E-02	

(b) Carp

Downstream of LANL			Upstream of LANL		
Sample ID	**Concentration (µg/g-ww)**	**TEQ (pg/g)**	**Sample ID**	**Concentration (µg/g-ww)**	**TEQ (pg/g)**
RGTRTCARP1	2.02E-02	2.88	**RGSI 1C**	3.44E-02	0.410
RGTRTCARP2	8.66E-02	9.80	**RGSI 2C**	3.14E-02	0.375
RGTRTCARP3	1.34E-02	1.40	**RGSI 3C**	1.05E-02	0.170
RGTRTCARP4	1.73E-02	1.56	**RGSI 4C**	2.43E-01	9.640
	3.52E-02	3.91	**Mean**	7.98E-02	2.65
	3.93E-02		**Std Deviation**	1.09E-01	

Note: PCB concentration at which no consumption limits would be recommended on either a cancer or noncancer health endpoint basis is 0.0015 µg/g. Dioxin TEQ concentration at which no consumption limits would be recommended on a cancer health endpoint basis is 0.019 pg/g. Also note that full dose and risk assessments are recommended before considering advisories of any type.

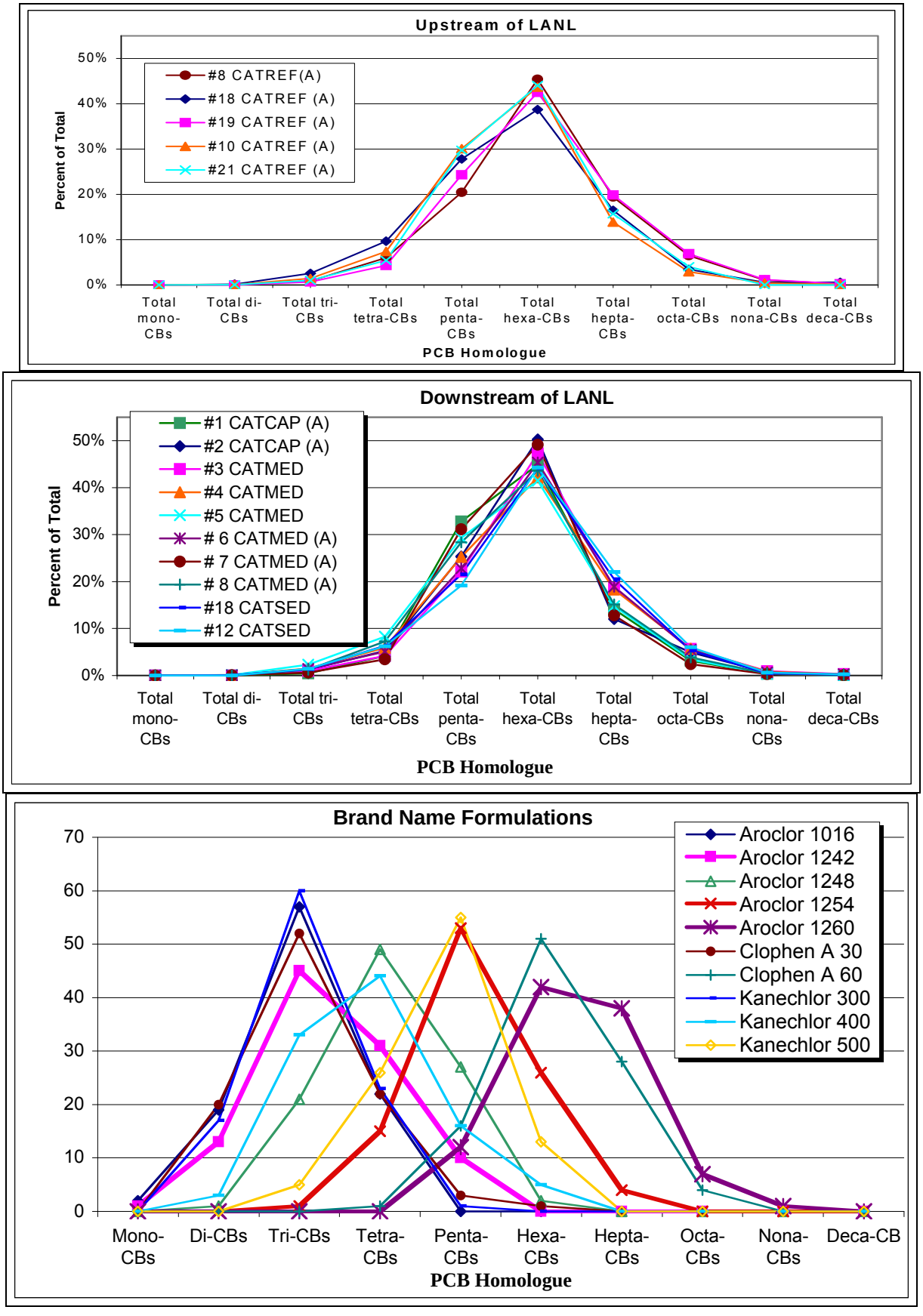


Figure 4. Percentages of PCB homologue concentrations in catfish sampled upstream of LANL, catfish sampled downstream of LANL, and in name-brand formulations of PCB mixtures.

the hexa-CBs. The distribution of PCB congeners in Aroclor mixtures can be altered considerably by biological processes; however, this effect is greater in animals of higher trophic levels. For animals of lower trophic level, there is a strong correlation between the sum of Aroclors and the total PCBs obtained from full congener determinations (Sather et al. 2001). Examples of lower trophic level animals include sturgeon. Catfish would also be considered lower trophic level as compared to predatory fish.

Table 5 shows the Aroclor-equivalent concentrations estimated from congeners measured in catfish. In Aroclor analyses performed in 1997 on carp, catfish, and carp sucker (Gonzales et al. 1999) from four sampling locations downstream from Otowi Bridge, Aroclor 1254 was detected in seven out of 15 fish and Aroclor 1260 was detected in only one out of 15 fish, but detection limits were high (0.03–0.22 μg/g or ppm) and fish can differentially partition congeners that make up Aroclors. At one sampling location upstream from Otowi Bridge, Aroclor 1254 was detected in one out of three fish and Aroclor 1260 was not detected, again using high detection limits in the analytical method.

Trend in Aroclor Concentrations Over Time. Figure 5 compares our congener-based Aroclor estimates for fish collected in 2002 with measured Aroclor concentrations in fish collected in 1997 and to estimated Aroclors in fish collected from Cochiti Reservoir in 2000 and 2001. Aroclor 1254 and 1260 concentrations are lower by about a factor of 10 from 1997 to 2002; however, the comparison is crude because of high detection limits for the 1997 Aroclor analyses. As in 1997, our 2002 carp had higher mean concentrations of PCBs than catfish. Ignoring differences in fish species, Aroclor and total PCB concentrations in fish from Cochiti Reservoir in 2001 are slightly higher compared with 2000. Aroclor 1254 in Rio Grande fish (2002) is higher than in reservoir fish (2000 and 2001), and Aroclor 1260 concentrations in Rio Grande fish (2002) are lower than in previous years.

Discussion

We sampled soils along the Rio Chama and Rio Grande drainages to discern whether a background atmospheric source of PCBs into bodies of water adjacent to LANL might exist. The distribution of homologues was distinctly bimodal with peaks at the tri-CB homologues and the hexa-CB homologues. Low-chlorinated PCBs typically volatilize, enter atmospheric macroscale wind patterns, and then are deposited with precipitation to land surfaces or bodies of water. This atmospheric deposition was the likely source of the low-chlorinated PCBs in soil that we measured. High-chlorinated PCBs can become entrained in suspended dust and other particulates and then deposited by eolian transport at more localized distances from the original source. The high-chlorinated PCBs that we measured in soils were most likely of eolian origin rather than from local sources because soil sample locations were chosen to avoid localized surface sources such as runoff. Also, there is strong evidence based on stratigraphy that the origin of soils on mesa tops, at least in the Pajarito Plateau, is from eolian transport and atmospheric deposition (Reneau et al. 1995, 1996).

Comparison of upstream fish to downstream fish had similar results in that, when means were compared, upstream catfish and carp contained higher mean PCB concentrations than downstream catfish and carp. Our years of data provide evidence that contributions of PCBs into

Table 5. Aroclor-equivalent PCB concentrations (µg/g) for catfish estimated from PCB congeners. Each value is for a different sample. Last row is arithmetic mean.

Aroclor 1242		Aroclor 1248		Aroclor 1254		Aroclor 1260		Downstream of LANL		
Downstream	Upstream	Downstream	Upstream	Downstream	Upstream	Downstream	Upstream	(a) Total PCBs from Aroclors	(b) Total PCBs from Congeners	Column 'a' percentage of Column 'b'
4.37E-04	0.00E+00	4.41E-03	3.93E-03	4.26E-02	2.74E-02	2.37E-02	2.36E-02	7.12E-02	4.54E-02	157%
0.00E+00	3.88E-05	1.26E-03	2.97E-03	7.17E-03	1.03E-02	2.44E-03	8.63E-03	1.09E-02	9.91E-03	110%
0.00E+00	0.00E+00	1.25E-03	2.85E-03	6.97E-03	2.60E-02	8.11E-03	2.89E-02	1.62E-02	1.14E-02	142%
0.00E+00	3.84E-05	1.38E-03	5.58E-03	7.34E-03	2.66E-02	6.37E-03	1.41E-02	1.51E-02	9.67E-03	156%
4.47E-03	4.10E-05	0.00E+00	3.92E-03	0.00E+00	2.37E-02	0.00E+00	1.87E-02	4.47E-03	8.50E-03	53%
3.06E-04		1.28E-03		6.55E-03		6.98E-03		1.51E-02	9.86E-03	153%
5.89E-05		1.63E-03		1.86E-02		1.04E-02		3.07E-02	2.06E-02	149%
3.64E-04		2.86E-03		1.49E-02		1.00E-02		2.81E-02	1.82E-02	285%
0.00E+00		1.26E-03		5.83E-03		6.86E-03		1.39E-02	9.85E-03	142%
0.00E+00		8.18E-04		3.70E-03		5.30E-03		9.83E-02	6.79E-03	145%
5.64E-04	2.36E-05	1.61E-03	3.85E-03	1.14E-02	2.28E-02	8.02E-03	1.88E-02			149%

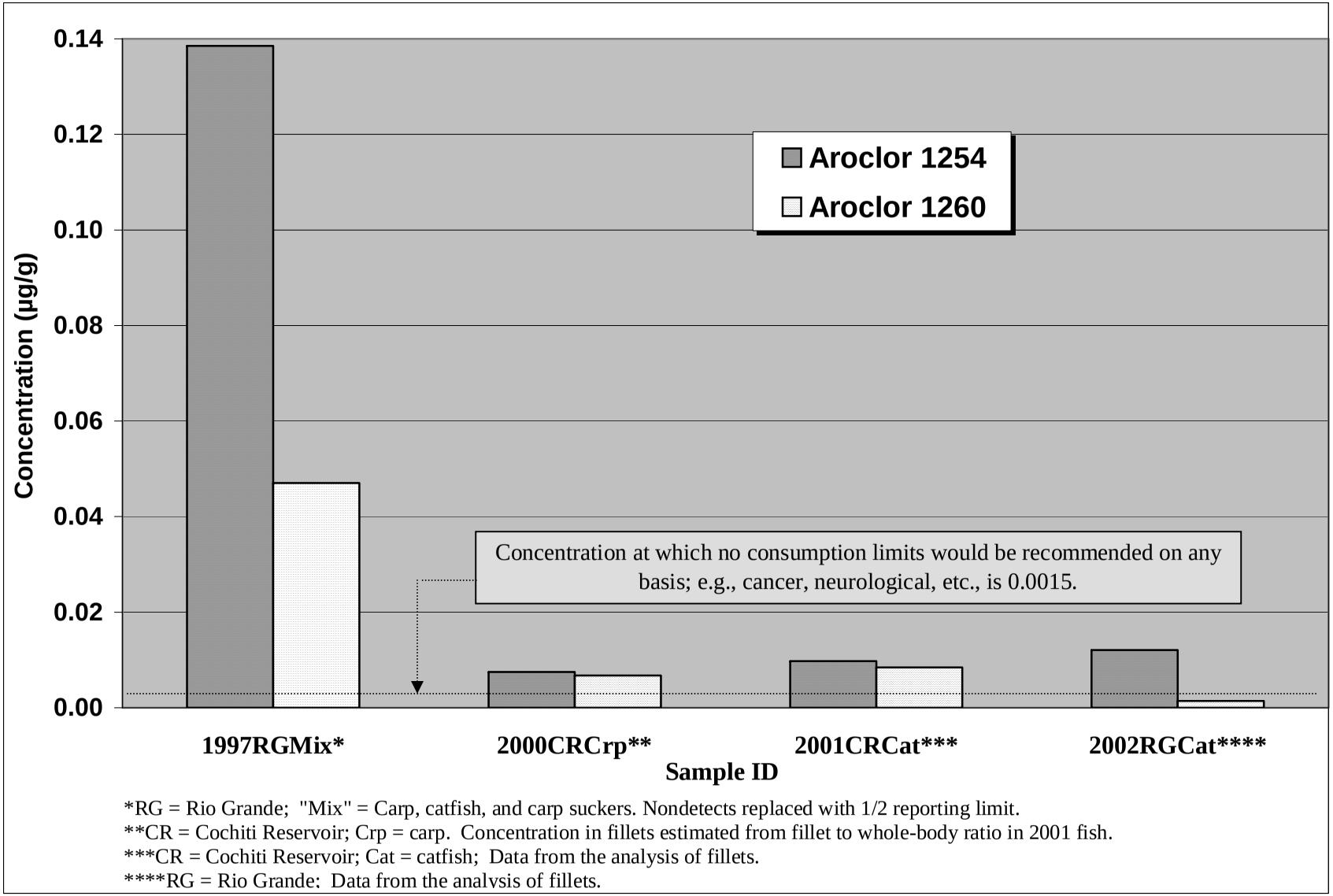


Figure 5. Comparison of PCB levels in fish from the Rio Grande and Cochiti Reservoir from 1997 to 2002.

the Rio Grande have occurred upstream of LANL from non-LANL sources. LANL is an industrial site with facilities intermingled with conifer forest across 43 mi^2, and many uses of PCB-containing devices and other applications have occurred similar to other industrial sites across the U.S. There are over 100 solid waste management units at the Laboratory that contain PCB concentrations in excess of a mg/kg and they could have been sources of PCBs into canyons; however, only one canyon (Sandia) that cuts through the 43 mi^2 of DOE/LANL property has a consistent flow of water—an effluent-supported base flow. None of the canyon drainages consistently flow into the Rio Grande as they are mostly dominated by periodic or ephemeral flow from storm water runoff.

Aroclor 1260 has been identified in Sandia Canyon, and several Aroclors have been detected and quantified in different species and classes of biota sampled from LANL (Gonzales et al. 2000, Gonzales and Podolsky, in preparation). If fish from both upstream and downstream of LANL contain Aroclor 1260, then LANL (at least Sandia Canyon) is not the only source of PCBs to Cochiti fish. Other studies centered on this issue of source contributions are currently underway and involve the sampling of surface water, sediment, and strategically placed semipermeable membrane devices (Mullen et al. 2002). Preliminary analyses of a limited number of water samples to date in the same general areas of the fish sampling do not appear to contain Aroclor 1260 (Mullen and Koch 2002), which differ from our results on fish. However we acknowledge that PCB source determination based on analysis of chlorohomologue distribution specifically in biota can be misleading because of their enrichment and exclusion of certain PCBs.

The objectives of our study were to (1) gather information that will contribute, in part, to answering the question of LANL's contribution, if any, to PCB loads in bodies of water that are in the direct sphere of potential direct influence by LANL, (2) continue to satisfy our federally mandated monitoring requirements, including the estimation of whether the Cerro Grande Fire had impacts to natural resources as related to legacy contamination at LANL, and (3) implicate the potential risk to humans from PCBs in fish so that we continue to evaluate the dominant risk concern (human risk versus ecological risk) in structuring our Environmental Surveillance Program. Regarding implications about the risk of consuming catfish from the Rio Grande, we have not conducted a dose-response assessment nor risk assessment. The EPA consumption advisory tables were consulted simply to infer whether more-complete assessments might be needed and as information that would help in our continued evaluation of where we place emphasis within our Environmental Surveillance Program. There are several conservatisms in the EPA guidance on this subject and in how we used the guidance that would tend to overestimate the risk. First, the effects of PCB exposure in humans are less clear than the effects to animals on which the consumption limit tables are based (USEPA 2000). To account for this uncertainty, the EPA applies an uncertainty factor to the chronic exposure limits that the consumption limits are derived from and, in effect, this lowers the consumption limits making them more protective of human health. Uncertainty factors are also applied for the inability of any study to consider all toxic endpoints, for extrapolating results of low effects toxicity values to no effects toxicity values, and for variability of response from one human to another (e.g., the limits are based on responses of the most vulnerable age groups such as children and fetuses). Lastly, although the exposure dose on which the consumption limits are based for PCBs was based on the toxicity of Aroclor 1254, total PCBs are often compared to the limits. For a full discussion of uncertainty in risk assessment and the application of uncertainty factors the reader is referred to Chapters 2, 3, and 5 in Volume 2 of the EPA guidance (USEPA 2000).

Total PCBs from the sum of estimated Aroclors agreed well with the total PCBs from the full congener determinations. For the downstream catfish totals, the mean total PCBs from Aroclors was 149% of the mean total PCBs from congeners. This supports the finding that for low trophic level organisms, there is usually a strong correlation between the sum of Aroclors and the total PCBs obtained from full congener determinations (Sather et al. 2001).

Conclusions

PCB concentrations in fish in the Rio Grande in 2002 were lower than in 1997, however, differences in analytical methods and other uncertainties exist in generating the data that were compared. Comparison of historical PCB data at LANL and the more recent PCB congener data as well as analyses of PCB homologue data do not indicate a distinct contribution of PCBs from LANL to fish in the Rio Grande. PCB homologue distributions in soil along the upstream areas of the Rio Chama and Rio Grande suggest that PCBs appear to be from background global atmospheric sources, at least in part, because the presence of low-chlorinated PCBs is typical of atmospheric congener distributions. The soil samples also had congener distributions that are typically associated with eolian transport and deposition of global atmospheric dust. The dominant PCB homologue in all fish samples was hexa-CBs; low-chlorinated PCB congeners were not detected in fish fillets, most likely because low-chlorinated PCBs are typically metabolized and excreted by biota. Regardless of the source, the concentrations of PCBs in fillets of fish sampled from the Rio Grande indicate the potential for adverse chronic health impact from consuming these fish on a long-term basis.

Acknowledgments

Partial funding for this study was from the Cerro Grande Recovery Project, Steve Mee, Program Manager. Carey Bare of LANL's Ecology Group provided guidance in the integration of the study with the Biological Resources Management Plan. Keith Greene of the Environmental Restoration Project validated the data. Ken Mullen and Richard Koch of the Water Quality and Hydrology Group provided critical reviews and are coordinating integration of the data with the PCB Cooperative Study. Thanks to Ralph Ford-Schmid of the New Mexico Environment Department for reviewing the report. Rick Velasquez, Louis Naranjo, Patrick Valerio, Jennifer Montoya, and Guillermo Vigil of the Ecology Group operated the research vessel on the Rio Grande and conducted electroshocking and sampling operations.

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Appendix 1
Soils Data

Sample ID: **RCCO/NM** **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 18-Jul-02
Time Collected: 0800

Sample Data
Matrix: Soil
Sample Size: 10.76 g
%Solids: 93.8

Laboratory Data
Lab Sample: 22524-001
QC Batch No.: 3206
Date Analyzed DB-1: 8-Aug-02
Date Received: 23-Jul-02
Date Extracted: 7-Aug-02

Analyte	Conc. (ng/g)	RL	MDL	Qualifiers
PCB-1	ND	0.00248	0.00994	
PCB-2	ND	0.00248	0.00538	
PCB-3	ND	0.00248	0.00712	
PCB-4/10	ND	0.00496	0.0105	
PCB-5/8	ND	0.00496	0.0114	
PCB-6	ND	0.00248	0.00940	
PCB-7/9	ND	0.00496	0.0109	
PCB-11	0.00459	0.00248	0.00712	B
PCB-12/13	ND	0.00496	0.0183	
PCB-14	ND	0.00248	0.00666	
PCB-15	ND	0.00248	0.00981	
PCB-16/32	ND	0.00496	0.0167	
PCB-17	ND	0.00248	0.00761	
PCB-18	ND	0.00248	0.00768	
PCB-19	ND	0.00248	0.00563	
PCB-20/21/33	ND	0.00743	0.0189	
PCB-22	ND	0.00248	0.00619	
PCB-23	ND	0.00248	0.00689	
PCB-24/27	ND	0.00496	0.0113	
PCB-25	ND	0.00248	0.00800	
PCB-26	ND	0.00248	0.00655	
PCB-28	ND	0.00248	0.0111	
PCB-29	ND	0.00248	0.00589	
PCB-30	ND	0.00248	0.00415	
PCB-31	ND	0.00248	0.00818	
PCB-34	ND	0.00248	0.00902	
PCB-35	ND	0.00248	0.00454	
PCB-36	ND	0.00248	0.00674	
PCB-37	ND	0.00248	0.00427	
PCB-38	ND	0.00248	0.00501	
PCB-39	ND	0.00248	0.00539	
PCB-40	ND	0.00496	0.00774	
PCB-41/64/71/72	ND	0.0198	0.0418	
PCB-42/59	ND	0.00991	0.0155	
PCB-43/49	ND	0.00991	0.0181	
PCB-44	ND	0.00496	0.0125	
PCB-45	ND	0.00496	0.0110	
PCB-46	ND	0.00496	0.0112	
PCB-47	ND	0.00496	0.0111	
PCB-48/75	ND	0.00991	0.0224	
PCB-50	ND	0.00496	0.0102	
PCB-51	ND	0.00496	0.00940	
PCB-52/69	ND	0.00991	0.0181	
PCB-53	ND	0.00496	0.00539	
PCB-54	ND	0.00496	0.00836	
PCB-55	ND	0.00496	0.0115	
PCB-56/60	ND	0.00991	0.0266	
PCB-57	ND	0.00496	0.00955	
PCB-58	ND	0.00496	0.0123	
PCB-61	ND	0.00496	0.0222	
PCB-62	ND	0.00496	0.0128	
PCB-63	ND	0.00496	0.0213	
PCB-65	ND	0.00496	0.0122	
PCB-66	ND	0.00496	0.0302	
PCB-67	ND	0.00496	0.0167	
PCB-68	ND	0.00496	0.00931	
PCB-70	ND	0.00496	0.0104	
PCB-73	ND	0.00496	0.0118	
PCB-74	ND	0.00496	0.00991	
PCB-76	ND	0.00496	0.0277	
PCB-77	ND	0.00496	0.00788	
PCB-78	ND	0.00496	0.00865	
PCB-79	ND	0.00496	0.00972	
PCB-80	ND	0.00496	0.0112	

Sample ID: **RCCO/NM** **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 18-Jul-02
Time Collected: 0800

Sample Data
Matrix: Soil
Sample Size: 10.76 g
%Solids: 93.8

Laboratory Data
Lab Sample: 22524-001 Date Received: 23-Jul-02
QC Batch No.: 3206 Date Extracted: 7-Aug-02
Date Analyzed DB-1: 8-Aug-02

Analyte	Conc. (ng/g)	RL	MDL	Qualifiers
PCB-81	ND	0.00496	0.00764	
PCB-82	ND	0.00496	0.00675	
PCB-83	ND	0.00496	0.00718	
PCB-84/92	ND	0.00991	0.0149	
PCB-85/116	ND	0.00991	0.0170	
PCB-86	ND	0.00496	0.0185	
PCB-87/117/125	ND	0.0149	0.0410	
PCB-88/91	ND	0.00991	0.0224	
PCB-89	ND	0.00496	0.00652	
PCB-90/101	ND	0.00991	0.0135	
PCB-93	ND	0.00496	0.0269	
PCB-94	ND	0.00496	0.00533	
PCB-95/98/102	ND	0.0149	0.0269	
PCB-96	ND	0.00496	0.00744	
PCB-97	ND	0.00496	0.00822	
PCB-99	ND	0.00496	0.0104	
PCB-100	ND	0.00496	0.00508	
PCB-103	ND	0.00496	0.00434	
PCB-104	ND	0.00496	0.00535	
PCB-105	ND	0.00496	0.0151	
PCB-106/118	ND	0.00991	0.0239	
PCB-107/109	ND	0.00991	0.0498	
PCB-108/112	ND	0.00991	0.00870	
PCB-110	ND	0.00496	0.0106	
PCB-113	ND	0.00496	0.0126	
PCB-114	ND	0.00496	0.0154	
PCB-111/115	ND	0.00991	0.0203	
PCB-119	ND	0.00496	0.00735	
PCB-120	ND	0.00496	0.0123	
PCB-121	ND	0.00496	0.0164	
PCB-122	ND	0.00496	0.0108	
PCB-123	ND	0.00496	0.00816	

Analyte	Conc. (ng/g)	RL	MDL	Qualifiers
PCB-124	ND	0.00496	0.00690	
PCB-126	ND	0.00496	0.0111	
PCB-127	ND	0.00496	1.06	
PCB-128/162	ND	0.00991	0.0550	
PCB-129	ND	0.00496	0.0114	
PCB-130	ND	0.00496	0.0325	
PCB-131	ND	0.00496	0.0258	
PCB-132/161	ND	0.00991	0.0256	
PCB-133/142	ND	0.00991	0.0386	
PCB-134/143	ND	0.00991	0.0519	
PCB-135	ND	0.00496	0.0192	
PCB-136	ND	0.00496	0.0101	
PCB-137	ND	0.00496	0.0478	
PCB-138/163/164	ND	0.0149	0.0475	
PCB-139/149	ND	0.00991	0.0295	
PCB-140	ND	0.00496	0.0310	
PCB-141	ND	0.00496	0.0167	
PCB-144	ND	0.00496	0.0217	
PCB-145	ND	0.00496	0.0119	
PCB-146/165	ND	0.00991	0.0233	
PCB-147	ND	0.00496	0.0334	
PCB-148	ND	0.00496	0.0179	
PCB-150	ND	0.00496	0.0139	
PCB-151	ND	0.00496	0.0143	
PCB-152	ND	0.00496	0.0104	
PCB-153	0.00496	0.00496	0.00846	
PCB-154	ND	0.00496	0.0275	
PCB-155	ND	0.00496	0.0109	
PCB-156	ND	0.00496	0.00620	
PCB-157	ND	0.00496	0.00870	
PCB-158/160	ND	0.00991	0.0244	
PCB-159	ND	0.00496	0.0120	

Sample ID: **RCCO/NM** **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 18-Jul-02
Time Collected: 0800

Sample Data
Matrix: Soil
Sample Size: 10.76 g
%Solids: 93.8

Laboratory Data
Lab Sample: 22524-001 Date Received: 23-Jul-02
QC Batch No.: 3206 Date Extracted: 7-Aug-02
Date Analyzed DB-1: 8-Aug-02

Analyte	Conc. (ng/g)	RL	MDL	Qualifiers
PCB-166	ND	0.00496	0.0137	
PCB-167	ND	0.00496	0.00966	
PCB-168	ND	0.00496	0.0136	
PCB-169	ND	0.00496	0.00858	
PCB-170	ND	0.00496	0.00418	
PCB-171	ND	0.00496	0.0145	
PCB-172	ND	0.00496	0.00983	
PCB-173	ND	0.00496	0.00798	
PCB-174	ND	0.00496	0.0152	
PCB-175	ND	0.00496	0.0160	
PCB-176	ND	0.00496	0.00940	
PCB-177	ND	0.00496	0.0102	
PCB-178	ND	0.00496	0.0148	
PCB-179	ND	0.00496	0.00823	
PCB-180	0.00525	0.00496	0.00431	
PCB-181	ND	0.00496	0.0238	
PCB-182/187	ND	0.00991	0.0314	
PCB-183	ND	0.00496	0.0189	
PCB-184	ND	0.00496	0.0111	
PCB-185	ND	0.00496	0.0110	
PCB-186	ND	0.00496	0.0116	
PCB-188	ND	0.00496	0.00982	
PCB-189	ND	0.00496	0.00964	
PCB-190	ND	0.00496	0.972	
PCB-191	ND	0.00496	0.0105	
PCB-192	ND	0.00496	0.00919	
PCB-193	ND	0.00496	0.00715	
PCB-194	ND	0.00743	0.0133	
PCB-195	ND	0.00743	0.0101	
PCB-196/203	ND	0.0149	0.0346	
PCB-197	ND	0.00743	0.0107	
PCB-198	ND	0.00743	0.0148	
PCB-199	ND	0.00743	0.0140	
PCB-200	ND	0.00743	0.0490	
PCB-201	ND	0.00743	0.0138	
PCB-202	ND	0.00743	0.0133	
PCB-204	ND	0.00743	0.0107	
PCB-205	ND	0.00743	0.0341	
PCB-206	ND	0.00743	0.0253	
PCB-207	ND	0.00743	0.0149	
PCB-208	ND	0.00743	0.0105	
PCB-209	ND	0.00743	0.0136	
Total monoCB	ND	0.00248		
Total diCB	0.00459	0.00248		B
Total triCB	ND	0.00248		
Total tetraCB	ND	0.00496		
Total pentaCB	ND	0.00496		
Total hexaCB	ND	0.00496		
Total heptaCB	0.00525	0.00496		
Total octaCB	ND	0.00743		
Total nonaCB	ND	0.00743		
Total decaCB	ND	0.00743		

Sample ID: **RCC/EV** **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 18-Jul-02
Time Collected: 1045

Sample Data
Matrix: Soil
Sample Size: 10.4 g
%Solids: 95.4

Laboratory Data
Lab Sample: 22524-002 Date Received: 23-Jul-02
QC Batch No.: 3209 Date Extracted: 8-Aug-02
Date Analyzed DB-1: 11-Aug-02

Analyte	Conc. (ng/g)	RL	MDL	Qualifiers
PCB-1	ND	0.00252	0.00994	
PCB-2	ND	0.00252	0.00538	
PCB-3	ND	0.00252	0.00712	
PCB-4/10	ND	0.00504	0.0105	
PCB-5/8	ND	0.00504	0.0114	
PCB-6	ND	0.00252	0.00940	
PCB-7/9	ND	0.00504	0.0109	
PCB-11	0.00613	0.00252	0.00712	B
PCB-12/13	ND	0.00504	0.0183	
PCB-14	ND	0.00252	0.00666	
PCB-15	ND	0.00252	0.00981	
PCB-16/32	ND	0.00504	0.0167	
PCB-17	ND	0.00252	0.00761	
PCB-18	ND	0.00252	0.00768	
PCB-19	ND	0.00252	0.00563	
PCB-20/21/33	ND	0.00756	0.0189	
PCB-22	ND	0.00252	0.00619	
PCB-23	ND	0.00252	0.00689	
PCB-24/27	ND	0.00504	0.0113	
PCB-25	ND	0.00252	0.00800	
PCB-26	ND	0.00252	0.00655	
PCB-28	0.00315	0.00252	0.0111	
PCB-29	ND	0.00252	0.00589	
PCB-30	ND	0.00252	0.00415	
PCB-31	0.00328	0.00252	0.00818	
PCB-34	ND	0.00252	0.00902	
PCB-35	ND	0.00252	0.00454	
PCB-36	ND	0.00252	0.00674	
PCB-37	ND	0.00252	0.00427	
PCB-38	ND	0.00252	0.00501	
PCB-39	ND	0.00252	0.00539	
PCB-40	ND	0.00504	0.00774	

Analyte	Conc. (ng/g)	RL	MDL	Qualifiers
PCB-41/64/71/72	ND	0.0202	0.0418	
PCB-42/59	ND	0.0101	0.0155	
PCB-43/49	ND	0.0101	0.0181	
PCB-44	ND	0.00504	0.0125	
PCB-45	ND	0.00504	0.0110	
PCB-46	ND	0.00504	0.0112	
PCB-47	ND	0.00504	0.0111	
PCB-48/75	ND	0.0101	0.0224	
PCB-50	ND	0.00504	0.0102	
PCB-51	ND	0.00504	0.00940	
PCB-52/69	ND	0.0101	0.0181	
PCB-53	ND	0.00504	0.00539	
PCB-54	ND	0.00504	0.00836	
PCB-55	ND	0.00504	0.0115	
PCB-56/60	ND	0.0101	0.0266	
PCB-57	ND	0.00504	0.00955	
PCB-58	ND	0.00504	0.0123	
PCB-61	ND	0.00504	0.0222	
PCB-62	ND	0.00504	0.0128	
PCB-63	ND	0.00504	0.0213	
PCB-65	ND	0.00504	0.0122	
PCB-66	ND	0.00504	0.0302	
PCB-67	ND	0.00504	0.0167	
PCB-68	ND	0.00504	0.00931	
PCB-70	ND	0.00504	0.0104	
PCB-73	ND	0.00504	0.0118	
PCB-74	ND	0.00504	0.00991	
PCB-76	ND	0.00504	0.0277	
PCB-77	ND	0.00504	0.00788	
PCB-78	ND	0.00504	0.00865	
PCB-79	ND	0.00504	0.00972	
PCB-80	ND	0.00504	0.0112	

Sample ID: **RCC/EV** **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 18-Jul-02
Time Collected: 1045

Sample Data
Matrix: Soil
Sample Size: 10.4 g
%Solids: 95.4

Laboratory Data
Lab Sample: 22524-002 Date Received: 23-Jul-02
QC Batch No.: 3209 Date Extracted: 8-Aug-02
Date Analyzed DB-1: 11-Aug-02

Analyte	Conc. (ng/g)	RL	MDL	Qualifiers
PCB-81	ND	0.00504	0.00764	
PCB-82	ND	0.00504	0.00675	
PCB-83	ND	0.00504	0.00718	
PCB-84/92	ND	0.0101	0.0149	
PCB-85/116	ND	0.0101	0.0170	
PCB-86	ND	0.00504	0.0185	
PCB-87/117/125	ND	0.0151	0.0410	
PCB-88/91	ND	0.0101	0.0224	
PCB-89	ND	0.00504	0.00652	
PCB-90/101	ND	0.0101	0.0135	
PCB-93	ND	0.00504	0.0269	
PCB-94	ND	0.00504	0.00533	
PCB-95/98/102	ND	0.0151	0.0269	
PCB-96	ND	0.00504	0.00744	
PCB-97	ND	0.00504	0.00822	
PCB-99	ND	0.00504	0.0104	
PCB-100	ND	0.00504	0.00508	
PCB-103	ND	0.00504	0.00434	
PCB-104	ND	0.00504	0.00535	
PCB-105	ND	0.00504	0.0151	
PCB-106/118	ND	0.0101	0.0239	
PCB-107/109	ND	0.0101	0.0498	
PCB-108/112	ND	0.0101	0.00870	
PCB-110	0.00645	0.00504	0.0106	
PCB-113	ND	0.00504	0.0126	
PCB-114	ND	0.00504	0.0154	
PCB-111/115	ND	0.0101	0.0203	
PCB-119	ND	0.00504	0.00735	
PCB-120	ND	0.00504	0.0123	
PCB-121	ND	0.00504	0.0164	
PCB-122	ND	0.00504	0.0108	
PCB-123	ND	0.00504	0.00816	

Analyte	Conc. (ng/g)	RL	MDL	Qualifiers
PCB-124	ND	0.00504	0.00690	
PCB-126	ND	0.00504	0.0111	
PCB-127	ND	0.00504	1.06	
PCB-128/162	ND	0.0101	0.0550	
PCB-129	ND	0.00504	0.0114	
PCB-130	ND	0.00504	0.0325	
PCB-131	ND	0.00504	0.0258	
PCB-132/161	ND	0.0101	0.0256	
PCB-133/142	ND	0.0101	0.0386	
PCB-134/143	ND	0.0101	0.0519	
PCB-135	ND	0.00504	0.0192	
PCB-136	ND	0.00504	0.0101	
PCB-137	ND	0.00504	0.0478	
PCB-138/163/164	ND	0.0151	0.0475	
PCB-139/149	ND	0.0101	0.0295	
PCB-140	ND	0.00504	0.0310	
PCB-141	ND	0.00504	0.0167	
PCB-144	ND	0.00504	0.0217	
PCB-145	ND	0.00504	0.0119	
PCB-146/165	ND	0.0101	0.0233	
PCB-147	ND	0.00504	0.0334	
PCB-148	ND	0.00504	0.0179	
PCB-150	ND	0.00504	0.0139	
PCB-151	ND	0.00504	0.0143	
PCB-152	ND	0.00504	0.0104	
PCB-153	0.00965	0.00504	0.00846	
PCB-154	ND	0.00504	0.0275	
PCB-155	ND	0.00504	0.0109	
PCB-156	ND	0.00504	0.00620	
PCB-157	ND	0.00504	0.00870	
PCB-158/160	ND	0.0101	0.0244	
PCB-159	ND	0.00504	0.0120	

Sample ID: **RCC/EV** **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 18-Jul-02
Time Collected: 1045

Sample Data
Matrix: Soil
Sample Size: 10.4 g
%Solids: 95.4

Laboratory Data
Lab Sample: 22524-002 Date Received: 23-Jul-02
QC Batch No.: 3209 Date Extracted: 8-Aug-02
Date Analyzed DB-1: 11-Aug-02

Analyte	Conc. (ng/g)	RL	MDL	Qualifiers
PCB-166	ND	0.00504	0.0137	
PCB-167	ND	0.00504	0.00966	
PCB-168	ND	0.00504	0.0136	
PCB-169	ND	0.00504	0.00858	
PCB-170	ND	0.00504	0.00418	
PCB-171	ND	0.00504	0.0145	
PCB-172	ND	0.00504	0.00983	
PCB-173	ND	0.00504	0.00798	
PCB-174	ND	0.00504	0.0152	
PCB-175	ND	0.00504	0.0160	
PCB-176	ND	0.00504	0.00940	
PCB-177	ND	0.00504	0.0102	
PCB-178	ND	0.00504	0.0148	
PCB-179	ND	0.00504	0.00823	
PCB-180	0.00719	0.00504	0.00431	
PCB-181	ND	0.00504	0.0238	
PCB-182/187	ND	0.0101	0.0314	
PCB-183	ND	0.00504	0.0189	
PCB-184	ND	0.00504	0.0111	
PCB-185	ND	0.00504	0.0110	
PCB-186	ND	0.00504	0.0116	
PCB-188	ND	0.00504	0.00982	
PCB-189	ND	0.00504	0.00964	
PCB-190	ND	0.00504	0.972	
PCB-191	ND	0.00504	0.0105	
PCB-192	ND	0.00504	0.00919	
PCB-193	ND	0.00504	0.00715	
PCB-194	ND	0.0756	0.0133	*
PCB-195	ND	0.0756	0.0101	*
PCB-196/203	ND	0.0151	0.0346	
PCB-197	ND	0.00756	0.0107	
PCB-198	ND	0.00756	0.0148	
PCB-199	ND	0.00756	0.0140	
PCB-200	ND	0.00756	0.0490	
PCB-201	ND	0.00756	0.0138	
PCB-202	ND	0.00756	0.0133	
PCB-204	ND	0.00756	0.0107	
PCB-205	ND	0.0756	0.0341	*
PCB-206	ND	0.0756	0.0253	*
PCB-207	ND	0.0756	0.0149	*
PCB-208	ND	0.0756	0.0105	*
PCB-209	ND	0.0756	0.0136	*
Total monoCB	ND	0.00252		
Total diCB	0.00613	0.00252		B
Total triCB	0.00643	0.00252		
Total tetraCB	ND	0.00504		
Total pentaCB	0.00645	0.00504		
Total hexaCB	0.00969	0.00504		
Total heptaCB	0.00719	0.00504		
Total octaCB	ND	0.0756		*
Total nonaCB	ND	0.0756		*
Total decaCB	ND	0.0756		*

Sample ID: **RCEV/A** **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 18-Jul-02
Time Collected: 1330

Sample Data
Matrix: Soil
Sample Size: 10.38 g
%Solids: 97.0

Laboratory Data
Lab Sample: 22524-003 Date Received: 23-Jul-02
QC Batch No.: 3206 Date Extracted: 7-Aug-02
Date Analyzed DB-1: 8-Aug-02

Analyte	Conc. (ng/g)	RL	MDL	Qualifiers
PCB-1	ND	0.00248	0.00994	
PCB-2	ND	0.00248	0.00538	
PCB-3	ND	0.00248	0.00712	
PCB-4/10	ND	0.00497	0.0105	
PCB-5/8	ND	0.00497	0.0114	
PCB-6	ND	0.00248	0.00940	
PCB-7/9	ND	0.00497	0.0109	
PCB-11	0.00419	0.00248	0.00712	B
PCB-12/13	ND	0.00497	0.0183	
PCB-14	ND	0.00248	0.00666	
PCB-15	ND	0.00248	0.00981	
PCB-16/32	ND	0.00497	0.0167	
PCB-17	ND	0.00248	0.00761	
PCB-18	ND	0.00248	0.00768	
PCB-19	ND	0.00248	0.00563	
PCB-20/21/33	ND	0.00745	0.0189	
PCB-22	ND	0.00248	0.00619	
PCB-23	ND	0.00248	0.00689	
PCB-24/27	ND	0.00497	0.0113	
PCB-25	ND	0.00248	0.00800	
PCB-26	ND	0.00248	0.00655	
PCB-28	0.00256	0.00248	0.0111	
PCB-29	ND	0.00248	0.00589	
PCB-30	ND	0.00248	0.00415	
PCB-31	0.00248	0.00248	0.00818	
PCB-34	ND	0.00248	0.00902	
PCB-35	ND	0.00248	0.00454	
PCB-36	ND	0.00248	0.00674	
PCB-37	ND	0.00248	0.00427	
PCB-38	ND	0.00248	0.00501	
PCB-39	ND	0.00248	0.00539	
PCB-40	ND	0.00497	0.00774	
PCB-41/64/71/72	ND	0.0199	0.0418	
PCB-42/59	ND	0.00993	0.0155	
PCB-43/49	ND	0.00993	0.0181	
PCB-44	ND	0.00497	0.0125	
PCB-45	ND	0.00497	0.0110	
PCB-46	ND	0.00497	0.0112	
PCB-47	ND	0.00497	0.0111	
PCB-48/75	ND	0.00993	0.0224	
PCB-50	ND	0.00497	0.0102	
PCB-51	ND	0.00497	0.00940	
PCB-52/69	ND	0.00993	0.0181	
PCB-53	ND	0.00497	0.00539	
PCB-54	ND	0.00497	0.00836	
PCB-55	ND	0.00497	0.0115	
PCB-56/60	ND	0.00993	0.0266	
PCB-57	ND	0.00497	0.00955	
PCB-58	ND	0.00497	0.0123	
PCB-61	ND	0.00497	0.0222	
PCB-62	ND	0.00497	0.0128	
PCB-63	ND	0.00497	0.0213	
PCB-65	ND	0.00497	0.0122	
PCB-66	ND	0.00497	0.0302	
PCB-67	ND	0.00497	0.0167	
PCB-68	ND	0.00497	0.00931	
PCB-70	ND	0.00497	0.0104	
PCB-73	ND	0.00497	0.0118	
PCB-74	ND	0.00497	0.00991	
PCB-76	ND	0.00497	0.0277	
PCB-77	ND	0.00497	0.00788	
PCB-78	ND	0.00497	0.00865	
PCB-79	ND	0.00497	0.00972	
PCB-80	ND	0.00497	0.0112	

Sample ID: **RCEV/A** **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 18-Jul-02
Time Collected: 1330

Sample Data
Matrix: Soil
Sample Size: 10.38 g
%Solids: 97.0

Laboratory Data
Lab Sample: 22524-003 Date Received: 23-Jul-02
QC Batch No.: 3206 Date Extracted: 7-Aug-02
Date Analyzed DB-1: 8-Aug-02

Analyte	Conc. (ng/g)	RL	MDL	Qualifiers
PCB-81	ND	0.00497	0.00764	
PCB-82	ND	0.00497	0.00675	
PCB-83	ND	0.00497	0.00718	
PCB-84/92	ND	0.00993	0.0149	
PCB-85/116	ND	0.00993	0.0170	
PCB-86	ND	0.00497	0.0185	
PCB-87/117/125	ND	0.0149	0.0410	
PCB-88/91	ND	0.00993	0.0224	
PCB-89	ND	0.00497	0.00652	
PCB-90/101	ND	0.00993	0.0135	
PCB-93	ND	0.00497	0.0269	
PCB-94	ND	0.00497	0.00533	
PCB-95/98/102	ND	0.0149	0.0269	
PCB-96	ND	0.00497	0.00744	
PCB-97	ND	0.00497	0.00822	
PCB-99	ND	0.00497	0.0104	
PCB-100	ND	0.00497	0.00508	
PCB-103	ND	0.00497	0.00434	
PCB-104	ND	0.00497	0.00535	
PCB-105	ND	0.00497	0.0151	
PCB-106/118	ND	0.00993	0.0239	
PCB-107/109	ND	0.00993	0.0498	
PCB-108/112	ND	0.00993	0.00870	
PCB-110	ND	0.00497	0.0106	
PCB-113	ND	0.00497	0.0126	
PCB-114	ND	0.00497	0.0154	
PCB-111/115	ND	0.00993	0.0203	
PCB-119	ND	0.00497	0.00735	
PCB-120	ND	0.00497	0.0123	
PCB-121	ND	0.00497	0.0164	
PCB-122	ND	0.00497	0.0108	
PCB-123	ND	0.00497	0.00816	

Analyte	Conc. (ng/g)	RL	MDL	Qualifiers
PCB-124	ND	0.00497	0.00690	
PCB-126	ND	0.00497	0.0111	
PCB-127	ND	0.00497	1.06	
PCB-128/162	ND	0.00993	0.0550	
PCB-129	ND	0.00497	0.0114	
PCB-130	ND	0.00497	0.0325	
PCB-131	ND	0.00497	0.0258	
PCB-132/161	ND	0.00993	0.0256	
PCB-133/142	ND	0.00993	0.0386	
PCB-134/143	ND	0.00993	0.0519	
PCB-135	ND	0.00497	0.0192	
PCB-136	ND	0.00497	0.0101	
PCB-137	ND	0.00497	0.0478	
PCB-138/163/164	ND	0.0149	0.0475	
PCB-139/149	ND	0.00993	0.0295	
PCB-140	ND	0.00497	0.0310	
PCB-141	ND	0.00497	0.0167	
PCB-144	ND	0.00497	0.0217	
PCB-145	ND	0.00497	0.0119	
PCB-146/165	ND	0.00993	0.0233	
PCB-147	ND	0.00497	0.0334	
PCB-148	ND	0.00497	0.0179	
PCB-150	ND	0.00497	0.0139	
PCB-151	ND	0.00497	0.0143	
PCB-152	ND	0.00497	0.0104	
PCB-153	ND	0.00497	0.00846	
PCB-154	ND	0.00497	0.0275	
PCB-155	ND	0.00497	0.0109	
PCB-156	ND	0.00497	0.00620	
PCB-157	ND	0.00497	0.00870	
PCB-158/160	ND	0.00993	0.0244	
PCB-159	ND	0.00497	0.0120	

Sample ID: **RCEV/A** **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 18-Jul-02
Time Collected: 1330

Sample Data
Matrix: Soil
Sample Size: 10.38 g
%Solids: 97.0

Laboratory Data
Lab Sample: 22524-003 Date Received: 23-Jul-02
QC Batch No.: 3206 Date Extracted: 7-Aug-02
Date Analyzed DB-1: 8-Aug-02

Analyte	Conc. (ng/g)	RL	MDL	Qualifiers
PCB-166	ND	0.00497	0.0137	
PCB-167	ND	0.00497	0.00966	
PCB-168	ND	0.00497	0.0136	
PCB-169	ND	0.00497	0.00858	
PCB-170	ND	0.00497	0.00418	
PCB-171	ND	0.00497	0.0145	
PCB-172	ND	0.00497	0.00983	
PCB-173	ND	0.00497	0.00798	
PCB-174	ND	0.00497	0.0152	
PCB-175	ND	0.00497	0.0160	
PCB-176	ND	0.00497	0.00940	
PCB-177	ND	0.00497	0.0102	
PCB-178	ND	0.00497	0.0148	
PCB-179	ND	0.00497	0.00823	
PCB-180	ND	0.00497	0.00431	
PCB-181	ND	0.00497	0.0238	
PCB-182/187	ND	0.00993	0.0314	
PCB-183	ND	0.00497	0.0189	
PCB-184	ND	0.00497	0.0111	
PCB-185	ND	0.00497	0.0110	
PCB-186	ND	0.00497	0.0116	
PCB-188	ND	0.00497	0.00982	
PCB-189	ND	0.00497	0.00964	
PCB-190	ND	0.00497	0.972	
PCB-191	ND	0.00497	0.0105	
PCB-192	ND	0.00497	0.00919	
PCB-193	ND	0.00497	0.00715	
PCB-194	ND	0.00745	0.0133	
PCB-195	ND	0.00745	0.0101	
PCB-196/203	ND	0.0149	0.0346	
PCB-197	ND	0.00745	0.0107	
PCB-198	ND	0.00745	0.0148	
PCB-199	ND	0.00745	0.0140	
PCB-200	ND	0.00745	0.0490	
PCB-201	ND	0.00745	0.0138	
PCB-202	ND	0.00745	0.0133	
PCB-204	ND	0.00745	0.0107	
PCB-205	ND	0.00745	0.0341	
PCB-206	ND	0.00745	0.0253	
PCB-207	ND	0.00745	0.0149	
PCB-208	ND	0.00745	0.0105	
PCB-209	ND	0.00745	0.0136	
Total monoCB	ND	0.00248		
Total diCB	0.00419	0.00248		B
Total triCB	0.00504	0.00248		
Total tetraCB	ND	0.00497		
Total pentaCB	ND	0.00497		
Total hexaCB	ND	0.00497		
Total heptaCB	ND	0.00497		
Total octaCB	ND	0.00745		
Total nonaCB	ND	0.00745		
Total decaCB	ND	0.00745		

Sample ID: **RCA/SJ** **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 18-Jul-02
Time Collected: 1500

Sample Data
Matrix: Soil
Sample Size: 10.39 g
%Solids: 99.0

Laboratory Data
Lab Sample: 22524-004 Date Received: 23-Jul-02
QC Batch No.: 3206 Date Extracted: 7-Aug-02
Date Analyzed DB-1: 8-Aug-02

Analyte	Conc. (ng/g)	RL	MDL	Qualifiers
PCB-1	ND	0.00243	0.00994	
PCB-2	ND	0.00243	0.00538	
PCB-3	ND	0.00243	0.00712	
PCB-4/10	ND	0.00486	0.0105	
PCB-5/8	ND	0.00486	0.0114	
PCB-6	ND	0.00243	0.00940	
PCB-7/9	ND	0.00486	0.0109	
PCB-11	0.00371	0.00243	0.00712	B
PCB-12/13	ND	0.00486	0.0183	
PCB-14	ND	0.00243	0.00666	
PCB-15	ND	0.00243	0.00981	
PCB-16/32	ND	0.00486	0.0167	
PCB-17	ND	0.00243	0.00761	
PCB-18	ND	0.00243	0.00768	
PCB-19	ND	0.00243	0.00563	
PCB-20/21/33	ND	0.00729	0.0189	
PCB-22	ND	0.00243	0.00619	
PCB-23	ND	0.00243	0.00689	
PCB-24/27	ND	0.00486	0.0113	
PCB-25	ND	0.00243	0.00800	
PCB-26	ND	0.00243	0.00655	
PCB-28	ND	0.00243	0.0111	
PCB-29	ND	0.00243	0.00589	
PCB-30	ND	0.00243	0.00415	
PCB-31	0.00271	0.00243	0.00818	
PCB-34	ND	0.00243	0.00902	
PCB-35	ND	0.00243	0.00454	
PCB-36	ND	0.00243	0.00674	
PCB-37	ND	0.00243	0.00427	
PCB-38	ND	0.00243	0.00501	
PCB-39	ND	0.00243	0.00539	
PCB-40	ND	0.00486	0.00774	
PCB-41/64/71/72	ND	0.0194	0.0418	
PCB-42/59	ND	0.00972	0.0155	
PCB-43/49	ND	0.00972	0.0181	
PCB-44	ND	0.00486	0.0125	
PCB-45	ND	0.00486	0.0110	
PCB-46	ND	0.00486	0.0112	
PCB-47	ND	0.00486	0.0111	
PCB-48/75	ND	0.00972	0.0224	
PCB-50	ND	0.00486	0.0102	
PCB-51	ND	0.00486	0.00940	
PCB-52/69	ND	0.00972	0.0181	
PCB-53	ND	0.00486	0.00539	
PCB-54	ND	0.00486	0.00836	
PCB-55	ND	0.00486	0.0115	
PCB-56/60	ND	0.00972	0.0266	
PCB-57	ND	0.00486	0.00955	
PCB-58	ND	0.00486	0.0123	
PCB-61	ND	0.00486	0.0222	
PCB-62	ND	0.00486	0.0128	
PCB-63	ND	0.00486	0.0213	
PCB-65	ND	0.00486	0.0122	
PCB-66	ND	0.00486	0.0302	
PCB-67	ND	0.00486	0.0167	
PCB-68	ND	0.00486	0.00931	
PCB-70	ND	0.00486	0.0104	
PCB-73	ND	0.00486	0.0118	
PCB-74	ND	0.00486	0.00991	
PCB-76	ND	0.00486	0.0277	
PCB-77	ND	0.00486	0.00788	
PCB-78	ND	0.00486	0.00865	
PCB-79	ND	0.00486	0.00972	
PCB-80	ND	0.00486	0.0112	

Sample ID: **RCA/SJ** **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 18-Jul-02
Time Collected: 1500

Sample Data
Matrix: Soil
Sample Size: 10.39 g
%Solids: 99.0

Laboratory Data
Lab Sample: 22524-004 Date Received: 23-Jul-02
QC Batch No.: 3206 Date Extracted: 7-Aug-02
Date Analyzed DB-1: 8-Aug-02

Analyte	Conc. (ng/g)	RL	MDL	Qualifiers
PCB-81	ND	0.00486	0.00764	
PCB-82	ND	0.00486	0.00675	
PCB-83	ND	0.00486	0.00718	
PCB-84/92	ND	0.00972	0.0149	
PCB-85/116	ND	0.00972	0.0170	
PCB-86	ND	0.00486	0.0185	
PCB-87/117/125	ND	0.0146	0.0410	
PCB-88/91	ND	0.00972	0.0224	
PCB-89	ND	0.00486	0.00652	
PCB-90/101	ND	0.00972	0.0135	
PCB-93	ND	0.00486	0.0269	
PCB-94	ND	0.00486	0.00533	
PCB-95/98/102	ND	0.0146	0.0269	
PCB-96	ND	0.00486	0.00744	
PCB-97	ND	0.00486	0.00822	
PCB-99	ND	0.00486	0.0104	
PCB-100	ND	0.00486	0.00508	
PCB-103	ND	0.00486	0.00434	
PCB-104	ND	0.00486	0.00535	
PCB-105	ND	0.00486	0.0151	
PCB-106/118	ND	0.00972	0.0239	
PCB-107/109	ND	0.00972	0.0498	
PCB-108/112	ND	0.00972	0.00870	
PCB-110	ND	0.00486	0.0106	
PCB-113	ND	0.00486	0.0126	
PCB-114	ND	0.00486	0.0154	
PCB-111/115	ND	0.00972	0.0203	
PCB-119	ND	0.00486	0.00735	
PCB-120	ND	0.00486	0.0123	
PCB-121	ND	0.00486	0.0164	
PCB-122	ND	0.00486	0.0108	
PCB-123	ND	0.00486	0.00816	

Analyte	Conc. (ng/g)	RL	MDL	Qualifiers
PCB-124	ND	0.00486	0.00690	
PCB-126	ND	0.00486	0.0111	
PCB-127	ND	0.00486	1.06	
PCB-128/162	ND	0.00972	0.0550	
PCB-129	ND	0.00486	0.0114	
PCB-130	ND	0.00486	0.0325	
PCB-131	ND	0.00486	0.0258	
PCB-132/161	ND	0.00972	0.0256	
PCB-133/142	ND	0.00972	0.0386	
PCB-134/143	ND	0.00972	0.0519	
PCB-135	ND	0.00486	0.0192	
PCB-136	ND	0.00486	0.0101	
PCB-137	ND	0.00486	0.0478	
PCB-138/163/164	ND	0.0146	0.0475	
PCB-139/149	ND	0.00972	0.0295	
PCB-140	ND	0.00486	0.0310	
PCB-141	ND	0.00486	0.0167	
PCB-144	ND	0.00486	0.0217	
PCB-145	ND	0.00486	0.0119	
PCB-146/165	ND	0.00972	0.0233	
PCB-147	ND	0.00486	0.0334	
PCB-148	ND	0.00486	0.0179	
PCB-150	ND	0.00486	0.0139	
PCB-151	ND	0.00486	0.0143	
PCB-152	ND	0.00486	0.0104	
PCB-153	0.0128	0.00486	0.00846	
PCB-154	ND	0.00486	0.0275	
PCB-155	ND	0.00486	0.0109	
PCB-156	ND	0.00486	0.00620	
PCB-157	ND	0.00486	0.00870	
PCB-158/160	ND	0.00972	0.0244	
PCB-159	ND	0.00486	0.0120	

Sample ID: **RCA/SJ** **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 18-Jul-02
Time Collected: 1500

Sample Data
Matrix: Soil
Sample Size: 10.39 g
%Solids: 99.0

Laboratory Data
Lab Sample: 22524-004 Date Received: 23-Jul-02
QC Batch No.: 3206 Date Extracted: 7-Aug-02
Date Analyzed DB-1: 8-Aug-02

Analyte	Conc. (ng/g)	RL	MDL	Qualifiers
PCB-166	ND	0.00486	0.0137	
PCB-167	ND	0.00486	0.00966	
PCB-168	ND	0.00486	0.0136	
PCB-169	ND	0.00486	0.00858	
PCB-170	ND	0.00486	0.00418	
PCB-171	ND	0.00486	0.0145	
PCB-172	ND	0.00486	0.00983	
PCB-173	ND	0.00486	0.00798	
PCB-174	ND	0.00486	0.0152	
PCB-175	ND	0.00486	0.0160	
PCB-176	ND	0.00486	0.00940	
PCB-177	ND	0.00486	0.0102	
PCB-178	ND	0.00486	0.0148	
PCB-179	ND	0.00486	0.00823	
PCB-180	0.0120	0.00486	0.00431	
PCB-181	ND	0.00486	0.0238	
PCB-182/187	ND	0.00972	0.0314	
PCB-183	ND	0.00486	0.0189	
PCB-184	ND	0.00486	0.0111	
PCB-185	ND	0.00486	0.0110	
PCB-186	ND	0.00486	0.0116	
PCB-188	ND	0.00486	0.00982	
PCB-189	ND	0.00486	0.00964	
PCB-190	ND	0.00486	0.972	
PCB-191	ND	0.00486	0.0105	
PCB-192	ND	0.00486	0.00919	
PCB-193	ND	0.00486	0.00715	
PCB-194	ND	0.00729	0.0133	
PCB-195	ND	0.00729	0.0101	
PCB-196/203	ND	0.0146	0.0346	
PCB-197	ND	0.00729	0.0107	
PCB-198	ND	0.00729	0.0148	
PCB-199	ND	0.00729	0.0140	
PCB-200	ND	0.00729	0.0490	
PCB-201	ND	0.00729	0.0138	
PCB-202	ND	0.00729	0.0133	
PCB-204	ND	0.00729	0.0107	
PCB-205	ND	0.00729	0.0341	
PCB-206	ND	0.00729	0.0253	
PCB-207	ND	0.00729	0.0149	
PCB-208	ND	0.00729	0.0105	
PCB-209	ND	0.00729	0.0136	
Total monoCB	ND	0.00243		
Total diCB	0.00371	0.00243		B
Total triCB	0.00271	0.00243		
Total tetraCB	ND	0.00486		
Total pentaCB	ND	0.00486		
Total hexaCB	0.0128	0.00486		
Total heptaCB	0.0120	0.00486		
Total octaCB	ND	0.00729		
Total nonaCB	ND	0.00729		
Total decaCB	ND	0.00729		

Sample ID: RGCO/NM **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 18-Jul-02
Time Collected: 0700

Sample Data
Matrix: Soil
Sample Size: 10.47 g
%Solids: 97.9

Laboratory Data
Lab Sample: 22524-005 Date Received: 23-Jul-02
QC Batch No.: 3206 Date Extracted: 7-Aug-02
Date Analyzed DB-1: 8-Aug-02

Analyte	Conc. (ng/g)	RL	MDL	Qualifiers
PCB-1	ND	0.00244	0.00994	
PCB-2	ND	0.00244	0.00538	
PCB-3	ND	0.00244	0.00712	
PCB-4/10	ND	0.00488	0.0105	
PCB-5/8	ND	0.00488	0.0114	
PCB-6	ND	0.00244	0.00940	
PCB-7/9	ND	0.00488	0.0109	
PCB-11	ND	0.00244	0.00712	
PCB-12/13	ND	0.00488	0.0183	
PCB-14	ND	0.00244	0.00666	
PCB-15	ND	0.00244	0.00981	
PCB-16/32	ND	0.00488	0.0167	
PCB-17	ND	0.00244	0.00761	
PCB-18	ND	0.00244	0.00768	
PCB-19	ND	0.00244	0.00563	
PCB-20/21/33	ND	0.00732	0.0189	
PCB-22	ND	0.00244	0.00619	
PCB-23	ND	0.00244	0.00689	
PCB-24/27	ND	0.00488	0.0113	
PCB-25	ND	0.00244	0.00800	
PCB-26	ND	0.00244	0.00655	
PCB-28	ND	0.00244	0.0111	
PCB-29	ND	0.00244	0.00589	
PCB-30	ND	0.00244	0.00415	
PCB-31	ND	0.00244	0.00818	
PCB-34	ND	0.00244	0.00902	
PCB-35	ND	0.00244	0.00454	
PCB-36	ND	0.00244	0.00674	
PCB-37	ND	0.00244	0.00427	
PCB-38	ND	0.00244	0.00501	
PCB-39	ND	0.00244	0.00539	
PCB-40	ND	0.00488	0.00774	
PCB-41/64/71/72	ND	0.0195	0.0418	
PCB-42/59	ND	0.00976	0.0155	
PCB-43/49	ND	0.00976	0.0181	
PCB-44	ND	0.00488	0.0125	
PCB-45	ND	0.00488	0.0110	
PCB-46	ND	0.00488	0.0112	
PCB-47	ND	0.00488	0.0111	
PCB-48/75	ND	0.00976	0.0224	
PCB-50	ND	0.00488	0.0102	
PCB-51	ND	0.00488	0.00940	
PCB-52/69	ND	0.00976	0.0181	
PCB-53	ND	0.00488	0.00539	
PCB-54	ND	0.00488	0.00836	
PCB-55	ND	0.00488	0.0115	
PCB-56/60	ND	0.00976	0.0266	
PCB-57	ND	0.00488	0.00955	
PCB-58	ND	0.00488	0.0123	
PCB-61	ND	0.00488	0.0222	
PCB-62	ND	0.00488	0.0128	
PCB-63	ND	0.00488	0.0213	
PCB-65	ND	0.00488	0.0122	
PCB-66	ND	0.00488	0.0302	
PCB-67	ND	0.00488	0.0167	
PCB-68	ND	0.00488	0.00931	
PCB-70	ND	0.00488	0.0104	
PCB-73	ND	0.00488	0.0118	
PCB-74	ND	0.00488	0.00991	
PCB-76	ND	0.00488	0.0277	
PCB-77	ND	0.00488	0.00788	
PCB-78	ND	0.00488	0.00865	
PCB-79	ND	0.00488	0.00972	
PCB-80	ND	0.00488	0.0112	

Sample ID: **RGCO/NM** **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 18-Jul-02
Time Collected: 0700

Sample Data
Matrix: Soil
Sample Size: 10.47 g
%Solids: 97.9

Laboratory Data
Lab Sample: 22524-005 Date Received: 23-Jul-02
QC Batch No.: 3206 Date Extracted: 7-Aug-02
Date Analyzed DB-1: 8-Aug-02

Analyte	Conc. (ng/g)	RL	MDL	Qualifiers
PCB-81	ND	0.00488	0.00764	
PCB-82	ND	0.00488	0.00675	
PCB-83	ND	0.00488	0.00718	
PCB-84/92	ND	0.00976	0.0149	
PCB-85/116	ND	0.00976	0.0170	
PCB-86	ND	0.00488	0.0185	
PCB-87/117/125	ND	0.0146	0.0410	
PCB-88/91	ND	0.00976	0.0224	
PCB-89	ND	0.00488	0.00652	
PCB-90/101	ND	0.00976	0.0135	
PCB-93	ND	0.00488	0.0269	
PCB-94	ND	0.00488	0.00533	
PCB-95/98/102	ND	0.0146	0.0269	
PCB-96	ND	0.00488	0.00744	
PCB-97	ND	0.00488	0.00822	
PCB-99	ND	0.00488	0.0104	
PCB-100	ND	0.00488	0.00508	
PCB-103	ND	0.00488	0.00434	
PCB-104	ND	0.00488	0.00535	
PCB-105	ND	0.00488	0.0151	
PCB-106/118	ND	0.00976	0.0239	
PCB-107/109	ND	0.00976	0.0498	
PCB-108/112	ND	0.00976	0.00870	
PCB-110	ND	0.00488	0.0106	
PCB-113	ND	0.00488	0.0126	
PCB-114	ND	0.00488	0.0154	
PCB-111/115	ND	0.00976	0.0203	
PCB-119	ND	0.00488	0.00735	
PCB-120	ND	0.00488	0.0123	
PCB-121	ND	0.00488	0.0164	
PCB-122	ND	0.00488	0.0108	
PCB-123	ND	0.00488	0.00816	

Analyte	Conc. (ng/g)	RL	MDL	Qualifiers
PCB-124	ND	0.00488	0.00690	
PCB-126	ND	0.00488	0.0111	
PCB-127	ND	0.00488	1.06	
PCB-128/162	ND	0.00976	0.0550	
PCB-129	ND	0.00488	0.0114	
PCB-130	ND	0.00488	0.0325	
PCB-131	ND	0.00488	0.0258	
PCB-132/161	ND	0.00976	0.0256	
PCB-133/142	ND	0.00976	0.0386	
PCB-134/143	ND	0.00976	0.0519	
PCB-135	ND	0.00488	0.0192	
PCB-136	ND	0.00488	0.0101	
PCB-137	ND	0.00488	0.0478	
PCB-138/163/164	ND	0.0146	0.0475	
PCB-139/149	ND	0.00976	0.0295	
PCB-140	ND	0.00488	0.0310	
PCB-141	ND	0.00488	0.0167	
PCB-144	ND	0.00488	0.0217	
PCB-145	ND	0.00488	0.0119	
PCB-146/165	ND	0.00976	0.0233	
PCB-147	ND	0.00488	0.0334	
PCB-148	ND	0.00488	0.0179	
PCB-150	ND	0.00488	0.0139	
PCB-151	ND	0.00488	0.0143	
PCB-152	ND	0.00488	0.0104	
PCB-153	ND	0.00488	0.00846	
PCB-154	ND	0.00488	0.0275	
PCB-155	ND	0.00488	0.0109	
PCB-156	ND	0.00488	0.00620	
PCB-157	ND	0.00488	0.00870	
PCB-158/160	ND	0.00976	0.0244	
PCB-159	ND	0.00488	0.0120	

Sample ID: **RGCO/NM** **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 18-Jul-02
Time Collected: 0700

Sample Data
Matrix: Soil
Sample Size: 10.47 g
%Solids: 97.9

Laboratory Data
Lab Sample: 22524-005 Date Received: 23-Jul-02
QC Batch No.: 3206 Date Extracted: 7-Aug-02
Date Analyzed DB-1: 8-Aug-02

Analyte	Conc. (ng/g)	RL	MDL	Qualifiers
PCB-166	ND	0.00488	0.0137	
PCB-167	ND	0.00488	0.00966	
PCB-168	ND	0.00488	0.0136	
PCB-169	ND	0.00488	0.00858	
PCB-170	ND	0.00488	0.00418	
PCB-171	ND	0.00488	0.0145	
PCB-172	ND	0.00488	0.00983	
PCB-173	ND	0.00488	0.00798	
PCB-174	ND	0.00488	0.0152	
PCB-175	ND	0.00488	0.0160	
PCB-176	ND	0.00488	0.00940	
PCB-177	ND	0.00488	0.0102	
PCB-178	ND	0.00488	0.0148	
PCB-179	ND	0.00488	0.00823	
PCB-180	ND	0.00488	0.00431	
PCB-181	ND	0.00488	0.0238	
PCB-182/187	ND	0.00976	0.0314	
PCB-183	ND	0.00488	0.0189	
PCB-184	ND	0.00488	0.0111	
PCB-185	ND	0.00488	0.0110	
PCB-186	ND	0.00488	0.0116	
PCB-188	ND	0.00488	0.00982	
PCB-189	ND	0.00488	0.00964	
PCB-190	ND	0.00488	0.972	
PCB-191	ND	0.00488	0.0105	
PCB-192	ND	0.00488	0.00919	
PCB-193	ND	0.00488	0.00715	
PCB-194	ND	0.00732	0.0133	
PCB-195	ND	0.00732	0.0101	
PCB-196/203	ND	0.0146	0.0346	
PCB-197	ND	0.00732	0.0107	
PCB-198	ND	0.00732	0.0148	
PCB-199	ND	0.00732	0.0140	
PCB-200	ND	0.00732	0.0490	
PCB-201	ND	0.00732	0.0138	
PCB-202	ND	0.00732	0.0133	
PCB-204	ND	0.00732	0.0107	
PCB-205	ND	0.00732	0.0341	
PCB-206	ND	0.00732	0.0253	
PCB-207	ND	0.00732	0.0149	
PCB-208	ND	0.00732	0.0105	
PCB-209	ND	0.00732	0.0136	
Total monoCB	ND	0.00244		
Total diCB	ND	0.00244		
Total triCB	ND	0.00244		
Total tetraCB	ND	0.00488		
Total pentaCB	ND	0.00488		
Total hexaCB	ND	0.00488		
Total heptaCB	ND	0.00488		
Total octaCB	ND	0.00732		
Total nonaCB	ND	0.00732		
Total decaCB	ND	0.00732		

Sample ID: **RGCO/NMR** **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 18-Jul-02
Time Collected: 0700

Sample Data
Matrix: Soil
Sample Size: 10.28 g
%Solids: 98.0

Laboratory Data
Lab Sample: 22524-006 Date Received: 23-Jul-02
QC Batch No.: 3206 Date Extracted: 7-Aug-02
Date Analyzed DB-1: 9-Aug-02

Analyte	Conc. (ng/g)	RL	MDL	Qualifiers
PCB-1	ND	0.00248	0.00994	
PCB-2	ND	0.00248	0.00538	
PCB-3	ND	0.00248	0.00712	
PCB-4/10	ND	0.00496	0.0105	
PCB-5/8	ND	0.00496	0.0114	
PCB-6	ND	0.00248	0.00940	
PCB-7/9	ND	0.00496	0.0109	
PCB-11	0.00413	0.00248	0.00712	B
PCB-12/13	ND	0.00496	0.0183	
PCB-14	ND	0.00248	0.00666	
PCB-15	ND	0.00248	0.00981	
PCB-16/32	ND	0.00496	0.0167	
PCB-17	ND	0.00248	0.00761	
PCB-18	ND	0.00248	0.00768	
PCB-19	ND	0.00248	0.00563	
PCB-20/21/33	ND	0.00744	0.0189	
PCB-22	ND	0.00248	0.00619	
PCB-23	ND	0.00248	0.00689	
PCB-24/27	ND	0.00496	0.0113	
PCB-25	ND	0.00248	0.00800	
PCB-26	ND	0.00248	0.00655	
PCB-28	ND	0.00248	0.0111	
PCB-29	ND	0.00248	0.00589	
PCB-30	ND	0.00248	0.00415	
PCB-31	ND	0.00248	0.00818	
PCB-34	ND	0.00248	0.00902	
PCB-35	ND	0.00248	0.00454	
PCB-36	ND	0.00248	0.00674	
PCB-37	ND	0.00248	0.00427	
PCB-38	ND	0.00248	0.00501	
PCB-39	ND	0.00248	0.00539	
PCB-40	ND	0.00496	0.00774	
PCB-41/64/71/72	ND	0.0198	0.0418	
PCB-42/59	ND	0.00992	0.0155	
PCB-43/49	ND	0.00992	0.0181	
PCB-44	ND	0.00496	0.0125	
PCB-45	ND	0.00496	0.0110	
PCB-46	ND	0.00496	0.0112	
PCB-47	ND	0.00496	0.0111	
PCB-48/75	ND	0.00992	0.0224	
PCB-50	ND	0.00496	0.0102	
PCB-51	ND	0.00496	0.00940	
PCB-52/69	ND	0.00992	0.0181	
PCB-53	ND	0.00496	0.00539	
PCB-54	ND	0.00496	0.00836	
PCB-55	ND	0.00496	0.0115	
PCB-56/60	ND	0.00992	0.0266	
PCB-57	ND	0.00496	0.00955	
PCB-58	ND	0.00496	0.0123	
PCB-61	ND	0.00496	0.0222	
PCB-62	ND	0.00496	0.0128	
PCB-63	ND	0.00496	0.0213	
PCB-65	ND	0.00496	0.0122	
PCB-66	ND	0.00496	0.0302	
PCB-67	ND	0.00496	0.0167	
PCB-68	ND	0.00496	0.00931	
PCB-70	ND	0.00496	0.0104	
PCB-73	ND	0.00496	0.0118	
PCB-74	ND	0.00496	0.00991	
PCB-76	ND	0.00496	0.0277	
PCB-77	ND	0.00496	0.00788	
PCB-78	ND	0.00496	0.00865	
PCB-79	ND	0.00496	0.00972	
PCB-80	ND	0.00496	0.0112	

Sample ID: **RGCO/NMR** **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 18-Jul-02
Time Collected: 0700

Sample Data
Matrix: Soil
Sample Size: 10.28 g
%Solids: 98.0

Laboratory Data
Lab Sample: 22524-006 Date Received: 23-Jul-02
QC Batch No.: 3206 Date Extracted: 7-Aug-02
Date Analyzed DB-1: 9-Aug-02

Analyte	Conc. (ng/g)	RL	MDL	Qualifiers
PCB-81	ND	0.00496	0.00764	
PCB-82	ND	0.00496	0.00675	
PCB-83	ND	0.00496	0.00718	
PCB-84/92	ND	0.00992	0.0149	
PCB-85/116	ND	0.00992	0.0170	
PCB-86	ND	0.00496	0.0185	
PCB-87/117/125	ND	0.0149	0.0410	
PCB-88/91	ND	0.00992	0.0224	
PCB-89	ND	0.00496	0.00652	
PCB-90/101	ND	0.00992	0.0135	
PCB-93	ND	0.00496	0.0269	
PCB-94	ND	0.00496	0.00533	
PCB-95/98/102	ND	0.0149	0.0269	
PCB-96	ND	0.00496	0.00744	
PCB-97	ND	0.00496	0.00822	
PCB-99	ND	0.00496	0.0104	
PCB-100	ND	0.00496	0.00508	
PCB-103	ND	0.00496	0.00434	
PCB-104	ND	0.00496	0.00535	
PCB-105	ND	0.00496	0.0151	
PCB-106/118	ND	0.00992	0.0239	
PCB-107/109	ND	0.00992	0.0498	
PCB-108/112	ND	0.00992	0.00870	
PCB-110	ND	0.00496	0.0106	
PCB-113	ND	0.00496	0.0126	
PCB-114	ND	0.00496	0.0154	
PCB-111/115	ND	0.00992	0.0203	
PCB-119	ND	0.00496	0.00735	
PCB-120	ND	0.00496	0.0123	
PCB-121	ND	0.00496	0.0164	
PCB-122	ND	0.00496	0.0108	
PCB-123	ND	0.00496	0.00816	

Analyte	Conc. (ng/g)	RL	MDL	Qualifiers
PCB-124	ND	0.00496	0.00690	
PCB-126	ND	0.00496	0.0111	
PCB-127	ND	0.00496	1.06	
PCB-128/162	ND	0.00992	0.0550	
PCB-129	ND	0.00496	0.0114	
PCB-130	ND	0.00496	0.0325	
PCB-131	ND	0.00496	0.0258	
PCB-132/161	ND	0.00992	0.0256	
PCB-133/142	ND	0.00992	0.0386	
PCB-134/143	ND	0.00992	0.0519	
PCB-135	ND	0.00496	0.0192	
PCB-136	ND	0.00496	0.0101	
PCB-137	ND	0.00496	0.0478	
PCB-138/163/164	ND	0.0149	0.0475	
PCB-139/149	ND	0.00992	0.0295	
PCB-140	ND	0.00496	0.0310	
PCB-141	ND	0.00496	0.0167	
PCB-144	ND	0.00496	0.0217	
PCB-145	ND	0.00496	0.0119	
PCB-146/165	ND	0.00992	0.0233	
PCB-147	ND	0.00496	0.0334	
PCB-148	ND	0.00496	0.0179	
PCB-150	ND	0.00496	0.0139	
PCB-151	ND	0.00496	0.0143	
PCB-152	ND	0.00496	0.0104	
PCB-153	ND	0.00496	0.00846	
PCB-154	ND	0.00496	0.0275	
PCB-155	ND	0.00496	0.0109	
PCB-156	ND	0.00496	0.00620	
PCB-157	ND	0.00496	0.00870	
PCB-158/160	ND	0.00992	0.0244	
PCB-159	ND	0.00496	0.0120	

Sample ID: **RGCO/NMR** **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 18-Jul-02
Time Collected: 0700

Sample Data
Matrix: Soil
Sample Size: 10.28 g
%Solids: 98.0

Laboratory Data
Lab Sample: 22524-006 Date Received: 23-Jul-02
QC Batch No.: 3206 Date Extracted: 7-Aug-02
Date Analyzed DB-1: 9-Aug-02

Analyte	Conc. (ng/g)	RL	MDL	Qualifiers
PCB-166	ND	0.00496	0.0137	
PCB-167	ND	0.00496	0.00966	
PCB-168	ND	0.00496	0.0136	
PCB-169	ND	0.00496	0.00858	
PCB-170	ND	0.00496	0.00418	
PCB-171	ND	0.00496	0.0145	
PCB-172	ND	0.00496	0.00983	
PCB-173	ND	0.00496	0.00798	
PCB-174	ND	0.00496	0.0152	
PCB-175	ND	0.00496	0.0160	
PCB-176	ND	0.00496	0.00940	
PCB-177	ND	0.00496	0.0102	
PCB-178	ND	0.00496	0.0148	
PCB-179	ND	0.00496	0.00823	
PCB-180	0.00499	0.00496	0.00431	
PCB-181	ND	0.00496	0.0238	
PCB-182/187	ND	0.00992	0.0314	
PCB-183	ND	0.00496	0.0189	
PCB-184	ND	0.00496	0.0111	
PCB-185	ND	0.00496	0.0110	
PCB-186	ND	0.00496	0.0116	
PCB-188	ND	0.00496	0.00982	
PCB-189	ND	0.00496	0.00964	
PCB-190	ND	0.00496	0.972	
PCB-191	ND	0.00496	0.0105	
PCB-192	ND	0.00496	0.00919	
PCB-193	ND	0.00496	0.00715	
PCB-194	ND	0.00744	0.0133	
PCB-195	ND	0.00744	0.0101	
PCB-196/203	ND	0.0149	0.0346	
PCB-197	ND	0.00744	0.0107	
PCB-198	ND	0.00744	0.0148	
PCB-199	ND	0.00744	0.0140	
PCB-200	ND	0.00744	0.0490	
PCB-201	ND	0.00744	0.0138	
PCB-202	ND	0.00744	0.0133	
PCB-204	ND	0.00744	0.0107	
PCB-205	ND	0.00744	0.0341	
PCB-206	ND	0.00744	0.0253	
PCB-207	ND	0.00744	0.0149	
PCB-208	ND	0.00744	0.0105	
PCB-209	ND	0.00744	0.0136	
Total monoCB	ND	0.00248		
Total diCB	0.00413	0.00248		B
Total triCB	ND	0.00248		
Total tetraCB	ND	0.00496		
Total pentaCB	ND	0.00496		
Total hexaCB	ND	0.00496		
Total heptaCB	0.00499	0.00496		
Total octaCB	ND	0.00744		
Total nonaCB	ND	0.00744		
Total decaCB	ND	0.00744		

Sample ID: **RGNM/SC** **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 18-Jul-02
Time Collected: 1145

Sample Data
Matrix: Soil
Sample Size: 10.21 g
%Solids: 96.9

Laboratory Data
Lab Sample: 22524-007 Date Received: 23-Jul-02
QC Batch No.: 3206 Date Extracted: 7-Aug-02
Date Analyzed DB-1: 9-Aug-02

Analyte	Conc. (ng/g)	RL	MDL	Qualifiers
PCB-1	ND	0.00253	0.00994	
PCB-2	ND	0.00253	0.00538	
PCB-3	ND	0.00253	0.00712	
PCB-4/10	ND	0.00506	0.0105	
PCB-5/8	ND	0.00506	0.0114	
PCB-6	ND	0.00253	0.00940	
PCB-7/9	ND	0.00506	0.0109	
PCB-11	0.00262	0.00253	0.00712	B
PCB-12/13	ND	0.00506	0.0183	
PCB-14	ND	0.00253	0.00666	
PCB-15	ND	0.00253	0.00981	
PCB-16/32	ND	0.00506	0.0167	
PCB-17	ND	0.00253	0.00761	
PCB-18	ND	0.00253	0.00768	
PCB-19	ND	0.00253	0.00563	
PCB-20/21/33	ND	0.00758	0.0189	
PCB-22	ND	0.00253	0.00619	
PCB-23	ND	0.00253	0.00689	
PCB-24/27	ND	0.00506	0.0113	
PCB-25	ND	0.00253	0.00800	
PCB-26	ND	0.00253	0.00655	
PCB-28	ND	0.00253	0.0111	
PCB-29	ND	0.00253	0.00589	
PCB-30	ND	0.00253	0.00415	
PCB-31	ND	0.00253	0.00818	
PCB-34	ND	0.00253	0.00902	
PCB-35	ND	0.00253	0.00454	
PCB-36	ND	0.00253	0.00674	
PCB-37	ND	0.00253	0.00427	
PCB-38	ND	0.00253	0.00501	
PCB-39	ND	0.00253	0.00539	
PCB-40	ND	0.00506	0.00774	
PCB-41/64/71/72	ND	0.0202	0.0418	
PCB-42/59	ND	0.0101	0.0155	
PCB-43/49	ND	0.0101	0.0181	
PCB-44	ND	0.00506	0.0125	
PCB-45	ND	0.00506	0.0110	
PCB-46	ND	0.00506	0.0112	
PCB-47	ND	0.00506	0.0111	
PCB-48/75	ND	0.0101	0.0224	
PCB-50	ND	0.00506	0.0102	
PCB-51	ND	0.00506	0.00940	
PCB-52/69	ND	0.0101	0.0181	
PCB-53	ND	0.00506	0.00539	
PCB-54	ND	0.00506	0.00836	
PCB-55	ND	0.00506	0.0115	
PCB-56/60	ND	0.0101	0.0266	
PCB-57	ND	0.00506	0.00955	
PCB-58	ND	0.00506	0.0123	
PCB-61	ND	0.00506	0.0222	
PCB-62	ND	0.00506	0.0128	
PCB-63	ND	0.00506	0.0213	
PCB-65	ND	0.00506	0.0122	
PCB-66	ND	0.00506	0.0302	
PCB-67	ND	0.00506	0.0167	
PCB-68	ND	0.00506	0.00931	
PCB-70	ND	0.00506	0.0104	
PCB-73	ND	0.00506	0.0118	
PCB-74	ND	0.00506	0.00991	
PCB-76	ND	0.00506	0.0277	
PCB-77	ND	0.00506	0.00788	
PCB-78	ND	0.00506	0.00865	
PCB-79	ND	0.00506	0.00972	
PCB-80	ND	0.00506	0.0112	

Sample ID: **RGNM/SC** **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 18-Jul-02
Time Collected: 1145

Sample Data
Matrix: Soil
Sample Size: 10.21 g
%Solids: 96.9

Laboratory Data
Lab Sample: 22524-007 Date Received: 23-Jul-02
QC Batch No.: 3206 Date Extracted: 7-Aug-02
Date Analyzed DB-1: 9-Aug-02

Analyte	Conc. (ng/g)	RL	MDL	Qualifiers
PCB-81	ND	0.00506	0.00764	
PCB-82	ND	0.00506	0.00675	
PCB-83	ND	0.00506	0.00718	
PCB-84/92	ND	0.0101	0.0149	
PCB-85/116	ND	0.0101	0.0170	
PCB-86	ND	0.00506	0.0185	
PCB-87/117/125	ND	0.0152	0.0410	
PCB-88/91	ND	0.0101	0.0224	
PCB-89	ND	0.00506	0.00652	
PCB-90/101	ND	0.0101	0.0135	
PCB-93	ND	0.00506	0.0269	
PCB-94	ND	0.00506	0.00533	
PCB-95/98/102	ND	0.0152	0.0269	
PCB-96	ND	0.00506	0.00744	
PCB-97	ND	0.00506	0.00822	
PCB-99	ND	0.00506	0.0104	
PCB-100	ND	0.00506	0.00508	
PCB-103	ND	0.00506	0.00434	
PCB-104	ND	0.00506	0.00535	
PCB-105	ND	0.00506	0.0151	
PCB-106/118	ND	0.0101	0.0239	
PCB-107/109	ND	0.0101	0.0498	
PCB-108/112	ND	0.0101	0.00870	
PCB-110	ND	0.00506	0.0106	
PCB-113	ND	0.00506	0.0126	
PCB-114	ND	0.00506	0.0154	
PCB-111/115	ND	0.0101	0.0203	
PCB-119	ND	0.00506	0.00735	
PCB-120	ND	0.00506	0.0123	
PCB-121	ND	0.00506	0.0164	
PCB-122	ND	0.00506	0.0108	
PCB-123	ND	0.00506	0.00816	
PCB-124	ND	0.00506	0.00690	
PCB-126	ND	0.00506	0.0111	
PCB-127	ND	0.00506	1.06	
PCB-128/162	ND	0.0101	0.0550	
PCB-129	ND	0.00506	0.0114	
PCB-130	ND	0.00506	0.0325	
PCB-131	ND	0.00506	0.0258	
PCB-132/161	ND	0.0101	0.0256	
PCB-133/142	ND	0.0101	0.0386	
PCB-134/143	ND	0.0101	0.0519	
PCB-135	ND	0.00506	0.0192	
PCB-136	ND	0.00506	0.0101	
PCB-137	ND	0.00506	0.0478	
PCB-138/163/164	ND	0.0152	0.0475	
PCB-139/149	ND	0.0101	0.0295	
PCB-140	ND	0.00506	0.0310	
PCB-141	ND	0.00506	0.0167	
PCB-144	ND	0.00506	0.0217	
PCB-145	ND	0.00506	0.0119	
PCB-146/165	ND	0.0101	0.0233	
PCB-147	ND	0.00506	0.0334	
PCB-148	ND	0.00506	0.0179	
PCB-150	ND	0.00506	0.0139	
PCB-151	ND	0.00506	0.0143	
PCB-152	ND	0.00506	0.0104	
PCB-153	0.0153	0.00506	0.00846	
PCB-154	ND	0.00506	0.0275	
PCB-155	ND	0.00506	0.0109	
PCB-156	ND	0.00506	0.00620	
PCB-157	ND	0.00506	0.00870	
PCB-158/160	ND	0.0101	0.0244	
PCB-159	ND	0.00506	0.0120	

Sample ID: **RGNM/SC** **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 18-Jul-02
Time Collected: 1145

Sample Data
Matrix: Soil
Sample Size: 10.21 g
%Solids: 96.9

Laboratory Data
Lab Sample: 22524-007 Date Received: 23-Jul-02
QC Batch No.: 3206 Date Extracted: 7-Aug-02
Date Analyzed DB-1: 9-Aug-02

Analyte	Conc. (ng/g)	RL	MDL	Qualifiers
PCB-166	ND	0.00506	0.0137	
PCB-167	ND	0.00506	0.00966	
PCB-168	ND	0.00506	0.0136	
PCB-169	ND	0.00506	0.00858	
PCB-170	ND	0.00506	0.00418	
PCB-171	ND	0.00506	0.0145	
PCB-172	ND	0.00506	0.00983	
PCB-173	ND	0.00506	0.00798	
PCB-174	0.00513	0.00506	0.0152	
PCB-175	ND	0.00506	0.0160	
PCB-176	ND	0.00506	0.00940	
PCB-177	ND	0.00506	0.0102	
PCB-178	ND	0.00506	0.0148	
PCB-179	ND	0.00506	0.00823	
PCB-180	ND	0.00506	0.00431	
PCB-181	ND	0.00506	0.0238	
PCB-182/187	ND	0.0101	0.0314	
PCB-183	ND	0.00506	0.0189	
PCB-184	ND	0.00506	0.0111	
PCB-185	ND	0.00506	0.0110	
PCB-186	ND	0.00506	0.0116	
PCB-188	ND	0.00506	0.00982	
PCB-189	ND	0.00506	0.00964	
PCB-190	ND	0.00506	0.972	
PCB-191	ND	0.00506	0.0105	
PCB-192	ND	0.00506	0.00919	
PCB-193	ND	0.00506	0.00715	
PCB-194	ND	0.00758	0.0133	
PCB-195	ND	0.00758	0.0101	
PCB-196/203	ND	0.0152	0.0346	
PCB-197	ND	0.00758	0.0107	
PCB-198	ND	0.00758	0.0148	
PCB-199	ND	0.00758	0.0140	
PCB-200	ND	0.00758	0.0490	
PCB-201	ND	0.00758	0.0138	
PCB-202	ND	0.00758	0.0133	
PCB-204	ND	0.00758	0.0107	
PCB-205	ND	0.00758	0.0341	
PCB-206	ND	0.00758	0.0253	
PCB-207	ND	0.00758	0.0149	
PCB-208	ND	0.00758	0.0105	
PCB-209	ND	0.00758	0.0136	
Total monoCB	ND	0.00253		
Total diCB	0.00262	0.00253		B
Total triCB	ND	0.00253		
Total tetraCB	ND	0.00506		
Total pentaCB	ND	0.00506		
Total hexaCB	0.0153	0.00506		
Total heptaCB	0.00513	0.00506		
Total octaCB	ND	0.00758		
Total nonaCB	ND	0.00758		
Total decaCB	ND	0.00758		

Sample ID: RGSC/P **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 18-Jul-02
Time Collected: 1400

Sample Data
Matrix: Soil
Sample Size: 10.29 g
%Solids: 95.8

Laboratory Data
Lab Sample: 22524-008 Date Received: 23-Jul-02
QC Batch No.: 3206 Date Extracted: 7-Aug-02
Date Analyzed DB-1: 9-Aug-02

Analyte	Conc. (ng/g)	RL	MDL	Qualifiers
PCB-1	ND	0.00254	0.00994	
PCB-2	ND	0.00254	0.00538	
PCB-3	ND	0.00254	0.00712	
PCB-4/10	ND	0.00507	0.0105	
PCB-5/8	ND	0.00507	0.0114	
PCB-6	ND	0.00254	0.00940	
PCB-7/9	ND	0.00507	0.0109	
PCB-11	0.00354	0.00254	0.00712	B
PCB-12/13	ND	0.00507	0.0183	
PCB-14	ND	0.00254	0.00666	
PCB-15	ND	0.00254	0.00981	
PCB-16/32	ND	0.00507	0.0167	
PCB-17	ND	0.00254	0.00761	
PCB-18	ND	0.00254	0.00768	
PCB-19	ND	0.00254	0.00563	
PCB-20/21/33	ND	0.00761	0.0189	
PCB-22	ND	0.00254	0.00619	
PCB-23	ND	0.00254	0.00689	
PCB-24/27	ND	0.00507	0.0113	
PCB-25	ND	0.00254	0.00800	
PCB-26	ND	0.00254	0.00655	
PCB-28	ND	0.00254	0.0111	
PCB-29	ND	0.00254	0.00589	
PCB-30	ND	0.00254	0.00415	
PCB-31	ND	0.00254	0.00818	
PCB-34	ND	0.00254	0.00902	
PCB-35	ND	0.00254	0.00454	
PCB-36	ND	0.00254	0.00674	
PCB-37	ND	0.00254	0.00427	
PCB-38	ND	0.00254	0.00501	
PCB-39	ND	0.00254	0.00539	
PCB-40	ND	0.00507	0.00774	
PCB-41/64/71/72	ND	0.0203	0.0418	
PCB-42/59	ND	0.0101	0.0155	
PCB-43/49	ND	0.0101	0.0181	
PCB-44	ND	0.00507	0.0125	
PCB-45	ND	0.00507	0.0110	
PCB-46	ND	0.00507	0.0112	
PCB-47	ND	0.00507	0.0111	
PCB-48/75	ND	0.0101	0.0224	
PCB-50	ND	0.00507	0.0102	
PCB-51	ND	0.00507	0.00940	
PCB-52/69	ND	0.0101	0.0181	
PCB-53	ND	0.00507	0.00539	
PCB-54	ND	0.00507	0.00836	
PCB-55	ND	0.00507	0.0115	
PCB-56/60	ND	0.0101	0.0266	
PCB-57	ND	0.00507	0.00955	
PCB-58	ND	0.00507	0.0123	
PCB-61	ND	0.00507	0.0222	
PCB-62	ND	0.00507	0.0128	
PCB-63	ND	0.00507	0.0213	
PCB-65	ND	0.00507	0.0122	
PCB-66	ND	0.00507	0.0302	
PCB-67	ND	0.00507	0.0167	
PCB-68	ND	0.00507	0.00931	
PCB-70	ND	0.00507	0.0104	
PCB-73	ND	0.00507	0.0118	
PCB-74	ND	0.00507	0.00991	
PCB-76	ND	0.00507	0.0277	
PCB-77	ND	0.00507	0.00788	
PCB-78	ND	0.00507	0.00865	
PCB-79	ND	0.00507	0.00972	
PCB-80	ND	0.00507	0.0112	

Sample ID: **RGSC/P** **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 18-Jul-02
Time Collected: 1400

Sample Data
Matrix: Soil
Sample Size: 10.29 g
%Solids: 95.8

Laboratory Data
Lab Sample: 22524-008 Date Received: 23-Jul-02
QC Batch No.: 3206 Date Extracted: 7-Aug-02
Date Analyzed DB-1: 9-Aug-02

Analyte	Conc. (ng/g)	RL	MDL	Qualifiers
PCB-81	ND	0.00507	0.00764	
PCB-82	ND	0.00507	0.00675	
PCB-83	ND	0.00507	0.00718	
PCB-84/92	ND	0.0101	0.0149	
PCB-85/116	ND	0.0101	0.0170	
PCB-86	ND	0.00507	0.0185	
PCB-87/117/125	ND	0.0152	0.0410	
PCB-88/91	ND	0.0101	0.0224	
PCB-89	ND	0.00507	0.00652	
PCB-90/101	ND	0.0101	0.0135	
PCB-93	ND	0.00507	0.0269	
PCB-94	ND	0.00507	0.00533	
PCB-95/98/102	ND	0.0152	0.0269	
PCB-96	ND	0.00507	0.00744	
PCB-97	0.00572	0.00507	0.00822	
PCB-99	0.00690	0.00507	0.0104	
PCB-100	ND	0.00507	0.00508	
PCB-103	ND	0.00507	0.00434	
PCB-104	ND	0.00507	0.00535	
PCB-105	0.0100	0.00507	0.0151	
PCB-106/118	ND	0.0101	0.0239	
PCB-107/109	ND	0.0101	0.0498	
PCB-108/112	ND	0.0101	0.00870	
PCB-110	0.0258	0.00507	0.0106	
PCB-113	ND	0.00507	0.0126	
PCB-114	ND	0.00507	0.0154	
PCB-111/115	ND	0.0101	0.0203	
PCB-119	ND	0.00507	0.00735	
PCB-120	ND	0.00507	0.0123	
PCB-121	ND	0.00507	0.0164	
PCB-122	ND	0.00507	0.0108	
PCB-123	ND	0.00507	0.00816	
PCB-124	ND	0.00507	0.00690	
PCB-126	ND	0.00507	0.0111	
PCB-127	ND	0.00507	1.06	
PCB-128/162	ND	0.0101	0.0550	
PCB-129	ND	0.00507	0.0114	
PCB-130	ND	0.00507	0.0325	
PCB-131	ND	0.00507	0.0258	
PCB-132/161	ND	0.0101	0.0256	
PCB-133/142	ND	0.0101	0.0386	
PCB-134/143	ND	0.0101	0.0519	
PCB-135	ND	0.00507	0.0192	
PCB-136	ND	0.00507	0.0101	
PCB-137	ND	0.00507	0.0478	
PCB-138/163/164	0.0337	0.0152	0.0475	
PCB-139/149	0.0241	0.0101	0.0295	
PCB-140	ND	0.00507	0.0310	
PCB-141	0.00619	0.00507	0.0167	
PCB-144	ND	0.00507	0.0217	
PCB-145	ND	0.00507	0.0119	
PCB-146/165	ND	0.0101	0.0233	
PCB-147	ND	0.00507	0.0334	
PCB-148	ND	0.00507	0.0179	
PCB-150	ND	0.00507	0.0139	
PCB-151	0.00595	0.00507	0.0143	
PCB-152	ND	0.00507	0.0104	
PCB-153	0.0285	0.00507	0.00846	
PCB-154	ND	0.00507	0.0275	
PCB-155	ND	0.00507	0.0109	
PCB-156	ND	0.00507	0.00620	
PCB-157	ND	0.00507	0.00870	
PCB-158/160	ND	0.0101	0.0244	
PCB-159	ND	0.00507	0.0120	

Sample ID: RGSC/P **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 18-Jul-02
Time Collected: 1400

Sample Data
Matrix: Soil
Sample Size: 10.29 g
%Solids: 95.8

Laboratory Data
Lab Sample: 22524-008 Date Received: 23-Jul-02
QC Batch No.: 3206 Date Extracted: 7-Aug-02
Date Analyzed DB-1: 9-Aug-02

Analyte	Conc. (ng/g)	RL	MDL	Qualifiers
PCB-166	ND	0.00507	0.0137	
PCB-167	ND	0.00507	0.00966	
PCB-168	ND	0.00507	0.0136	
PCB-169	ND	0.00507	0.00858	
PCB-170	0.0122	0.00507	0.00418	
PCB-171	ND	0.00507	0.0145	
PCB-172	ND	0.00507	0.00983	
PCB-173	ND	0.00507	0.00798	
PCB-174	0.0118	0.00507	0.0152	
PCB-175	ND	0.00507	0.0160	
PCB-176	ND	0.00507	0.00940	
PCB-177	0.00781	0.00507	0.0102	
PCB-178	ND	0.00507	0.0148	
PCB-179	ND	0.00507	0.00823	
PCB-180	0.0304	0.00507	0.00431	
PCB-181	ND	0.00507	0.0238	
PCB-182/187	0.0160	0.0101	0.0314	
PCB-183	0.00609	0.00507	0.0189	
PCB-184	ND	0.00507	0.0111	
PCB-185	ND	0.00507	0.0110	
PCB-186	ND	0.00507	0.0116	
PCB-188	ND	0.00507	0.00982	
PCB-189	ND	0.00507	0.00964	
PCB-190	ND	0.00507	0.972	
PCB-191	ND	0.00507	0.0105	
PCB-192	ND	0.00507	0.00919	
PCB-193	ND	0.00507	0.00715	
PCB-194	0.00949	0.00761	0.0133	
PCB-195	ND	0.00761	0.0101	
PCB-196/203	ND	0.0152	0.0346	
PCB-197	ND	0.00761	0.0107	
PCB-198	ND	0.00761	0.0148	
PCB-199	0.0121	0.00761	0.0140	
PCB-200	ND	0.00761	0.0490	
PCB-201	ND	0.00761	0.0138	
PCB-202	ND	0.00761	0.0133	
PCB-204	ND	0.00761	0.0107	
PCB-205	ND	0.00761	0.0341	
PCB-206	ND	0.00761	0.0253	
PCB-207	ND	0.00761	0.0149	
PCB-208	ND	0.00761	0.0105	
PCB-209	ND	0.00761	0.0136	
Total monoCB	ND	0.00254		
Total diCB	0.00354	0.00254		B
Total triCB	ND	0.00254		
Total tetraCB	ND	0.00507		
Total pentaCB	0.0485	0.00507		
Total hexaCB	0.0985	0.00507		
Total heptaCB	0.0843	0.00507		
Total octaCB	0.0216	0.00761		
Total nonaCB	ND	0.00761		
Total decaCB	ND	0.00761		

Sample ID: RGP/O **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 18-Jul-02
Time Collected: 1520

Sample Data
Matrix: Soil
Sample Size: 10.47 g
%Solids: 98.0

Laboratory Data
Lab Sample: 22524-009 Date Received: 23-Jul-02
QC Batch No.: 3206 Date Extracted: 7-Aug-02
Date Analyzed DB-1: 9-Aug-02

Analyte	Conc. (ng/g)	RL	MDL	Qualifiers
PCB-1	ND	0.00244	0.00994	
PCB-2	ND	0.00244	0.00538	
PCB-3	ND	0.00244	0.00712	
PCB-4/10	ND	0.00487	0.0105	
PCB-5/8	ND	0.00487	0.0114	
PCB-6	ND	0.00244	0.00940	
PCB-7/9	ND	0.00487	0.0109	
PCB-11	0.0412	0.00244	0.00712	B
PCB-12/13	ND	0.00487	0.0183	
PCB-14	ND	0.00244	0.00666	
PCB-15	0.00332	0.00244	0.00981	
PCB-16/32	ND	0.00487	0.0167	
PCB-17	ND	0.00244	0.00761	
PCB-18	ND	0.00244	0.00768	
PCB-19	ND	0.00244	0.00563	
PCB-20/21/33	ND	0.00731	0.0189	
PCB-22	ND	0.00244	0.00619	
PCB-23	ND	0.00244	0.00689	
PCB-24/27	ND	0.00487	0.0113	
PCB-25	ND	0.00244	0.00800	
PCB-26	ND	0.00244	0.00655	
PCB-28	0.00313	0.00244	0.0111	
PCB-29	ND	0.00244	0.00589	
PCB-30	ND	0.00244	0.00415	
PCB-31	0.00311	0.00244	0.00818	
PCB-34	ND	0.00244	0.00902	
PCB-35	ND	0.00244	0.00454	
PCB-36	ND	0.00244	0.00674	
PCB-37	0.00283	0.00244	0.00427	
PCB-38	ND	0.00244	0.00501	
PCB-39	ND	0.00244	0.00539	
PCB-40	ND	0.00487	0.00774	
PCB-41/64/71/72	ND	0.0195	0.0418	
PCB-42/59	ND	0.00975	0.0155	
PCB-43/49	ND	0.00975	0.0181	
PCB-44	ND	0.00487	0.0125	
PCB-45	ND	0.00487	0.0110	
PCB-46	ND	0.00487	0.0112	
PCB-47	0.00659	0.00487	0.0111	
PCB-48/75	ND	0.00975	0.0224	
PCB-50	ND	0.00487	0.0102	
PCB-51	ND	0.00487	0.00940	
PCB-52/69	ND	0.00975	0.0181	
PCB-53	ND	0.00487	0.00539	
PCB-54	ND	0.00487	0.00836	
PCB-55	ND	0.00487	0.0115	
PCB-56/60	ND	0.00975	0.0266	
PCB-57	ND	0.00487	0.00955	
PCB-58	ND	0.00487	0.0123	
PCB-61	ND	0.00487	0.0222	
PCB-62	ND	0.00487	0.0128	
PCB-63	ND	0.00487	0.0213	
PCB-65	ND	0.00487	0.0122	
PCB-66	ND	0.00487	0.0302	
PCB-67	ND	0.00487	0.0167	
PCB-68	ND	0.00487	0.00931	
PCB-70	ND	0.00487	0.0104	
PCB-73	ND	0.00487	0.0118	
PCB-74	ND	0.00487	0.00991	
PCB-76	ND	0.00487	0.0277	
PCB-77	ND	0.00487	0.00788	
PCB-78	ND	0.00487	0.00865	
PCB-79	ND	0.00487	0.00972	
PCB-80	ND	0.00487	0.0112	

Sample ID: RGP/O **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 18-Jul-02
Time Collected: 1520

Sample Data
Matrix: Soil
Sample Size: 10.47 g
%Solids: 98.0

Laboratory Data
Lab Sample: 22524-009 Date Received: 23-Jul-02
QC Batch No.: 3206 Date Extracted: 7-Aug-02
Date Analyzed DB-1: 9-Aug-02

Analyte	Conc. (ng/g)	RL	MDL	Qualifiers
PCB-81	ND	0.00487	0.00764	
PCB-82	ND	0.00487	0.00675	
PCB-83	ND	0.00487	0.00718	
PCB-84/92	ND	0.00975	0.0149	
PCB-85/116	ND	0.00975	0.0170	
PCB-86	ND	0.00487	0.0185	
PCB-87/117/125	ND	0.0146	0.0410	
PCB-88/91	ND	0.00975	0.0224	
PCB-89	ND	0.00487	0.00652	
PCB-90/101	ND	0.00975	0.0135	
PCB-93	ND	0.00487	0.0269	
PCB-94	ND	0.00487	0.00533	
PCB-95/98/102	ND	0.0146	0.0269	
PCB-96	ND	0.00487	0.00744	
PCB-97	ND	0.00487	0.00822	
PCB-99	ND	0.00487	0.0104	
PCB-100	ND	0.00487	0.00508	
PCB-103	ND	0.00487	0.00434	
PCB-104	ND	0.00487	0.00535	
PCB-105	ND	0.00487	0.0151	
PCB-106/118	ND	0.00975	0.0239	
PCB-107/109	ND	0.00975	0.0498	
PCB-108/112	ND	0.00975	0.00870	
PCB-110	ND	0.00487	0.0106	
PCB-113	ND	0.00487	0.0126	
PCB-114	ND	0.00487	0.0154	
PCB-111/115	ND	0.00975	0.0203	
PCB-119	ND	0.00487	0.00735	
PCB-120	ND	0.00487	0.0123	
PCB-121	ND	0.00487	0.0164	
PCB-122	ND	0.00487	0.0108	
PCB-123	ND	0.00487	0.00816	
PCB-124	ND	0.00487	0.00690	
PCB-126	ND	0.00487	0.0111	
PCB-127	ND	0.00487	1.06	
PCB-128/162	ND	0.00975	0.0550	
PCB-129	ND	0.00487	0.0114	
PCB-130	ND	0.00487	0.0325	
PCB-131	ND	0.00487	0.0258	
PCB-132/161	ND	0.00975	0.0256	
PCB-133/142	ND	0.00975	0.0386	
PCB-134/143	ND	0.00975	0.0519	
PCB-135	ND	0.00487	0.0192	
PCB-136	ND	0.00487	0.0101	
PCB-137	ND	0.00487	0.0478	
PCB-138/163/164	ND	0.0146	0.0475	
PCB-139/149	ND	0.00975	0.0295	
PCB-140	ND	0.00487	0.0310	
PCB-141	ND	0.00487	0.0167	
PCB-144	ND	0.00487	0.0217	
PCB-145	ND	0.00487	0.0119	
PCB-146/165	ND	0.00975	0.0233	
PCB-147	ND	0.00487	0.0334	
PCB-148	ND	0.00487	0.0179	
PCB-150	ND	0.00487	0.0139	
PCB-151	ND	0.00487	0.0143	
PCB-152	ND	0.00487	0.0104	
PCB-153	0.00636	0.00487	0.00846	
PCB-154	ND	0.00487	0.0275	
PCB-155	ND	0.00487	0.0109	
PCB-156	ND	0.00487	0.00620	
PCB-157	ND	0.00487	0.00870	
PCB-158/160	ND	0.00975	0.0244	
PCB-159	ND	0.00487	0.0120	

Sample ID: RGP/O **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 18-Jul-02
Time Collected: 1520

Sample Data
Matrix: Soil
Sample Size: 10.47 g
%Solids: 98.0

Laboratory Data
Lab Sample: 22524-009 Date Received: 23-Jul-02
QC Batch No.: 3206 Date Extracted: 7-Aug-02
Date Analyzed DB-1: 9-Aug-02

Analyte	Conc. (ng/g)	RL	MDL	Qualifiers
PCB-166	ND	0.00487	0.0137	
PCB-167	ND	0.00487	0.00966	
PCB-168	ND	0.00487	0.0136	
PCB-169	ND	0.00487	0.00858	
PCB-170	ND	0.00487	0.00418	
PCB-171	ND	0.00487	0.0145	
PCB-172	ND	0.00487	0.00983	
PCB-173	ND	0.00487	0.00798	
PCB-174	ND	0.00487	0.0152	
PCB-175	ND	0.00487	0.0160	
PCB-176	ND	0.00487	0.00940	
PCB-177	ND	0.00487	0.0102	
PCB-178	ND	0.00487	0.0148	
PCB-179	ND	0.00487	0.00823	
PCB-180	0.00634	0.00487	0.00431	
PCB-181	ND	0.00487	0.0238	
PCB-182/187	ND	0.00975	0.0314	
PCB-183	ND	0.00487	0.0189	
PCB-184	ND	0.00487	0.0111	
PCB-185	ND	0.00487	0.0110	
PCB-186	ND	0.00487	0.0116	
PCB-188	ND	0.00487	0.00982	
PCB-189	ND	0.00487	0.00964	
PCB-190	ND	0.00487	0.972	
PCB-191	ND	0.00487	0.0105	
PCB-192	ND	0.00487	0.00919	
PCB-193	ND	0.00487	0.00715	
PCB-194	ND	0.00731	0.0133	
PCB-195	ND	0.00731	0.0101	
PCB-196/203	ND	0.0146	0.0346	
PCB-197	ND	0.00731	0.0107	
PCB-198	ND	0.00731	0.0148	
PCB-199	ND	0.00731	0.0140	
PCB-200	ND	0.00731	0.0490	
PCB-201	ND	0.00731	0.0138	
PCB-202	ND	0.00731	0.0133	
PCB-204	ND	0.00731	0.0107	
PCB-205	ND	0.00731	0.0341	
PCB-206	ND	0.00731	0.0253	
PCB-207	ND	0.00731	0.0149	
PCB-208	ND	0.00731	0.0105	
PCB-209	ND	0.00731	0.0136	
Total monoCB	ND	0.00244		
Total diCB	0.0445	0.00244		B
Total triCB	0.00907	0.00244		
Total tetraCB	0.00659	0.00487		
Total pentaCB	ND	0.00487		
Total hexaCB	0.00636	0.00487		
Total heptaCB	0.00634	0.00487		
Total octaCB	ND	0.00731		
Total nonaCB	ND	0.00731		
Total decaCB	ND	0.00731		

Sample ID: RGO/C **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 19-Jul-02
Time Collected: 0945

Sample Data
Matrix: Soil
Sample Size: 10.28 g
%Solids: 96.8

Laboratory Data
Lab Sample: 22524-010 Date Received: 23-Jul-02
QC Batch No.: 3206 Date Extracted: 7-Aug-02
Date Analyzed DB-1: 9-Aug-02

Analyte	Conc. (ng/g)	RL	MDL	Qualifiers
PCB-1	ND	0.00251	0.00994	
PCB-2	ND	0.00251	0.00538	
PCB-3	ND	0.00251	0.00712	
PCB-4/10	ND	0.00502	0.0105	
PCB-5/8	ND	0.00502	0.0114	
PCB-6	ND	0.00251	0.00940	
PCB-7/9	ND	0.00502	0.0109	
PCB-11	0.00389	0.00251	0.00712	B
PCB-12/13	ND	0.00502	0.0183	
PCB-14	ND	0.00251	0.00666	
PCB-15	ND	0.00251	0.00981	
PCB-16/32	ND	0.00502	0.0167	
PCB-17	ND	0.00251	0.00761	
PCB-18	ND	0.00251	0.00768	
PCB-19	ND	0.00251	0.00563	
PCB-20/21/33	ND	0.00753	0.0189	
PCB-22	ND	0.00251	0.00619	
PCB-23	ND	0.00251	0.00689	
PCB-24/27	ND	0.00502	0.0113	
PCB-25	ND	0.00251	0.00800	
PCB-26	ND	0.00251	0.00655	
PCB-28	ND	0.00251	0.0111	
PCB-29	ND	0.00251	0.00589	
PCB-30	ND	0.00251	0.00415	
PCB-31	ND	0.00251	0.00818	
PCB-34	ND	0.00251	0.00902	
PCB-35	ND	0.00251	0.00454	
PCB-36	ND	0.00251	0.00674	
PCB-37	ND	0.00251	0.00427	
PCB-38	ND	0.00251	0.00501	
PCB-39	ND	0.00251	0.00539	
PCB-40	ND	0.00502	0.00774	
PCB-41/64/71/72	ND	0.0201	0.0418	
PCB-42/59	ND	0.0100	0.0155	
PCB-43/49	ND	0.0100	0.0181	
PCB-44	ND	0.00502	0.0125	
PCB-45	ND	0.00502	0.0110	
PCB-46	ND	0.00502	0.0112	
PCB-47	ND	0.00502	0.0111	
PCB-48/75	ND	0.0100	0.0224	
PCB-50	ND	0.00502	0.0102	
PCB-51	ND	0.00502	0.00940	
PCB-52/69	ND	0.0100	0.0181	
PCB-53	ND	0.00502	0.00539	
PCB-54	ND	0.00502	0.00836	
PCB-55	ND	0.00502	0.0115	
PCB-56/60	ND	0.0100	0.0266	
PCB-57	ND	0.00502	0.00955	
PCB-58	ND	0.00502	0.0123	
PCB-61	ND	0.00502	0.0222	
PCB-62	ND	0.00502	0.0128	
PCB-63	ND	0.00502	0.0213	
PCB-65	ND	0.00502	0.0122	
PCB-66	ND	0.00502	0.0302	
PCB-67	ND	0.00502	0.0167	
PCB-68	ND	0.00502	0.00931	
PCB-70	ND	0.00502	0.0104	
PCB-73	ND	0.00502	0.0118	
PCB-74	ND	0.00502	0.00991	
PCB-76	ND	0.00502	0.0277	
PCB-77	ND	0.00502	0.00788	
PCB-78	ND	0.00502	0.00865	
PCB-79	ND	0.00502	0.00972	
PCB-80	ND	0.00502	0.0112	

Sample ID: **RGO/C** **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 19-Jul-02
Time Collected: 0945

Sample Data
Matrix: Soil
Sample Size: 10.28 g
%Solids: 96.8

Laboratory Data
Lab Sample: 22524-010 Date Received: 23-Jul-02
QC Batch No.: 3206 Date Extracted: 7-Aug-02
Date Analyzed DB-1: 9-Aug-02

Analyte	Conc. (ng/g)	RL	MDL	Qualifiers
PCB-81	ND	0.00502	0.00764	
PCB-82	ND	0.00502	0.00675	
PCB-83	ND	0.00502	0.00718	
PCB-84/92	ND	0.0100	0.0149	
PCB-85/116	ND	0.0100	0.0170	
PCB-86	ND	0.00502	0.0185	
PCB-87/117/125	ND	0.0151	0.0410	
PCB-88/91	ND	0.0100	0.0224	
PCB-89	ND	0.00502	0.00652	
PCB-90/101	ND	0.0100	0.0135	
PCB-93	ND	0.00502	0.0269	
PCB-94	ND	0.00502	0.00533	
PCB-95/98/102	ND	0.0151	0.0269	
PCB-96	ND	0.00502	0.00744	
PCB-97	ND	0.00502	0.00822	
PCB-99	ND	0.00502	0.0104	
PCB-100	ND	0.00502	0.00508	
PCB-103	ND	0.00502	0.00434	
PCB-104	ND	0.00502	0.00535	
PCB-105	ND	0.00502	0.0151	
PCB-106/118	ND	0.0100	0.0239	
PCB-107/109	ND	0.0100	0.0498	
PCB-108/112	ND	0.0100	0.00870	
PCB-110	ND	0.00502	0.0106	
PCB-113	ND	0.00502	0.0126	
PCB-114	ND	0.00502	0.0154	
PCB-111/115	ND	0.0100	0.0203	
PCB-119	ND	0.00502	0.00735	
PCB-120	ND	0.00502	0.0123	
PCB-121	ND	0.00502	0.0164	
PCB-122	ND	0.00502	0.0108	
PCB-123	ND	0.00502	0.00816	

Analyte	Conc. (ng/g)	RL	MDL	Qualifiers
PCB-124	ND	0.00502	0.00690	
PCB-126	ND	0.00502	0.0111	
PCB-127	ND	0.00502	1.06	
PCB-128/162	ND	0.0100	0.0550	
PCB-129	ND	0.00502	0.0114	
PCB-130	ND	0.00502	0.0325	
PCB-131	ND	0.00502	0.0258	
PCB-132/161	ND	0.0100	0.0256	
PCB-133/142	ND	0.0100	0.0386	
PCB-134/143	ND	0.0100	0.0519	
PCB-135	ND	0.00502	0.0192	
PCB-136	ND	0.00502	0.0101	
PCB-137	ND	0.00502	0.0478	
PCB-138/163/164	ND	0.0151	0.0475	
PCB-139/149	ND	0.0100	0.0295	
PCB-140	ND	0.00502	0.0310	
PCB-141	ND	0.00502	0.0167	
PCB-144	ND	0.00502	0.0217	
PCB-145	ND	0.00502	0.0119	
PCB-146/165	ND	0.0100	0.0233	
PCB-147	ND	0.00502	0.0334	
PCB-148	ND	0.00502	0.0179	
PCB-150	ND	0.00502	0.0139	
PCB-151	ND	0.00502	0.0143	
PCB-152	ND	0.00502	0.0104	
PCB-153	ND	0.00502	0.00846	
PCB-154	ND	0.00502	0.0275	
PCB-155	ND	0.00502	0.0109	
PCB-156	ND	0.00502	0.00620	
PCB-157	ND	0.00502	0.00870	
PCB-158/160	ND	0.0100	0.0244	
PCB-159	ND	0.00502	0.0120	

Sample ID: **RGO/C** **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 19-Jul-02
Time Collected: 0945

Sample Data
Matrix: Soil
Sample Size: 10.28 g
%Solids: 96.8

Laboratory Data
Lab Sample: 22524-010
QC Batch No.: 3206
Date Analyzed DB-1: 9-Aug-02
Date Received: 23-Jul-02
Date Extracted: 7-Aug-02

Analyte	Conc. (ng/g)	RL	MDL	Qualifiers
PCB-166	ND	0.00502	0.0137	
PCB-167	ND	0.00502	0.00966	
PCB-168	ND	0.00502	0.0136	
PCB-169	ND	0.00502	0.00858	
PCB-170	ND	0.00502	0.00418	
PCB-171	ND	0.00502	0.0145	
PCB-172	ND	0.00502	0.00983	
PCB-173	ND	0.00502	0.00798	
PCB-174	ND	0.00502	0.0152	
PCB-175	ND	0.00502	0.0160	
PCB-176	ND	0.00502	0.00940	
PCB-177	ND	0.00502	0.0102	
PCB-178	ND	0.00502	0.0148	
PCB-179	ND	0.00502	0.00823	
PCB-180	ND	0.00502	0.00431	
PCB-181	ND	0.00502	0.0238	
PCB-182/187	ND	0.0100	0.0314	
PCB-183	ND	0.00502	0.0189	
PCB-184	ND	0.00502	0.0111	
PCB-185	ND	0.00502	0.0110	
PCB-186	ND	0.00502	0.0116	
PCB-188	ND	0.00502	0.00982	
PCB-189	ND	0.00502	0.00964	
PCB-190	ND	0.00502	0.972	
PCB-191	ND	0.00502	0.0105	
PCB-192	ND	0.00502	0.00919	
PCB-193	ND	0.00502	0.00715	
PCB-194	ND	0.00753	0.0133	
PCB-195	ND	0.00753	0.0101	
PCB-196/203	ND	0.0151	0.0346	
PCB-197	ND	0.00753	0.0107	
PCB-198	ND	0.00753	0.0148	
PCB-199	ND	0.00753	0.0140	
PCB-200	ND	0.00753	0.0490	
PCB-201	ND	0.00753	0.0138	
PCB-202	ND	0.00753	0.0133	
PCB-204	ND	0.00753	0.0107	
PCB-205	ND	0.00753	0.0341	
PCB-206	ND	0.00753	0.0253	
PCB-207	ND	0.00753	0.0149	
PCB-208	ND	0.00753	0.0105	
PCB-209	ND	0.00753	0.0136	
Total monoCB	ND	0.00251		
Total diCB	0.00389	0.00251		B
Total triCB	ND	0.00251		
Total tetraCB	ND	0.00502		
Total pentaCB	ND	0.00502		
Total hexaCB	ND	0.00502		
Total heptaCB	ND	0.00502		
Total octaCB	ND	0.00753		
Total nonaCB	ND	0.00753		
Total decaCB	ND	0.00753		

Appendix 2
Fish Data

CHAIN-OF-CUSTODY RECORD

#22514

Los Alamos

Los Alamos National Laboratory
Los Alamos, New Mexico 87545

Soils and Foodstuffs ~~(7C20 WE6C)~~
P.I.# (505) 667-0815
ESH-20 MS M887

P.O. #54862-001-02
(7H05.WEBC.0000.0000)

Project Name	Request the following analysis:	Sample Location/Remarks
Fish Sampling	209 PCB Congeners • % Lipid • Aroclor-equivalents • CD data package including narrative.	Rio Grande / San Idelfonso Pueblo • Results to Gil Gonzales

Samplers (signature)				
Guillero Vigil, Louis Naranjo, Julie Cummings, Rick Velasquez				
Date	Time	Sample Name/Number	Number of Containers	
May 9, 2002	10:32	~~Catfish~~ #8CATREF(a)	1	Between Black Mesa & Pojaque River
May 9, 2002	10:54	~~Catfish~~ #18CATREF(a)	1	Across from San Idelfonso Pueblo
May 9, 2002	11:45 pm	~~Catfish~~ #19CATREF(a)	1	Between San I. Pueblo & Otowi Bridge
May 9, 2002	11:45	~~Catfish~~ #10CATREF(a)	1	Between San I. Pueblo & Otowi Bridge
May 9, 2002	11:57	~~Catfish~~ #21CATREF(a)	1	Between San I. Pueblo & Otowi Bridge

Relinquished by: (signature)	Date/Time	Received by: (signature)	Relinquished by: (signature)	Date/Time	Received by: (signature)
[signature]	5/15/02 12:45 pm	[signature]	[signature]	7/9/02 4:22 PM	[signature]
Relinquished by: (signature)	Date/Time	Received by: (signature)	Relinquished by: (signature)	Date/Time	Received by: (signature)
[signature]	7/16/02 15:00				
Relinquished by: (signature)	Date/Time	Received for Lab. by: (signature)	Date/Time	Remarks:	
		[signature]	7/18/02 14:30		

#22514

CHAIN-OF-CUSTODY RECORD

P.O. #54862-001-02-AS
(7H05.WEBC.0000.0000)

Los Alamos
Los Alamos National Laboratory
Los Alamos, New Mexico 87545

Contaminant Monitoring Team
ESH-20 MS M887

Project Name: Electro Fishing Cochiti - Cat Fish

Request the following analysis:
- 209 PCB Congeners
- % lipid
- Aroclor equivalents
- CD data package including narrative.

Remarks: Electro fishing – Cochiti – up Rio Grande
- Results to Gil Gonzales Ruiz

Samplers (signatures):

Date	Time	Sample Name/Number	Number of containers	Sample Location
5-7-02	10:20	#1 Catcap (A)		Capulin Canyon
	10:20	#2 Catcap (A)		" "
	10:35	#3 Catmed		Capulin & Medio Canyon (Between Canyons)
	10:40	#4 Catmed		" " "
	10:40	#5 Catmed		" " "
	10:50	#6 Catmed (A)		" " "
	10:55	#7 Catmed (A)		" " "
	11:45	#8 Catmed (A)		Medio Canyon
	12:15	#18 Catsed		West Trap (sediment)
	12:15	#12 Catsed		West Trap (sediment)

Relinquished by: (signature)	Date/Time	Received by: (signature)	Relinquished by: (signature)	Date/Time	Received by: (signature)
	5/8/02 1:02 pm	Katherine Newell	Jill S Podolsky	5/8/02 9:30 am	
Relinquished by: (signature)	Date/Time	Received by: (signature)	Relinquished by: (signature)	Date/Time	Received by: (signature)
	7/16/02 10:00				
Relinquished by: (signature)	Date/Time	Received for Lab. by: (signature)	Date/Time	Remarks:	
			7/18/02 14:30		

CHAIN-OF-CUSTODY RECORD

#22519

Los Alamos

Los Alamos National Laboratory
Los Alamos, New Mexico 87545

Soils and Foodstuffs (~~7C20 WE6G~~)
P.I.# (505) 667-0815
ESH-20 MS M887

P.O.#54862-001-02-AS
(~~7H05~~. WEBC. 0000.0000)

Results to Gil Gonzales

Project Name	Request the following analysis:	Containers	Sample Location/Remarks
Fish Sampling	•209 PCB congeners •% lipid •Aroclor -equivalents •CD data package w/narrative		All fish were collected between the confluence of Rio Pojoaque River/Rio Grande and Rio Grande to the Otowi Bridge. Between the times 10:00 am to 11:45. (all fish were collected Down stream)
Samplers (signatures) Louie Naranjo, Julie Cummins, Dallen Wilder			
Date / Time	Sample Name/Number		
5/9/02 10:00	RGSI 1C	1	Carp - fillet
	RGSI 2C	1	Carp - fillet
	RGSI 3C	1	Carp - fillet
	RGSI 4C	1	Carp - fillet
	RGSI 5C	1	Carp - fillet LN 7/15/02

Relinquished by: (signature)	Date/Time	Received by: (signature)	Relinquished by: (signature)	Date/Time	Received by: (signature)
Louie Naranjo	7/1/02 9:19am			7/16/02 10:00 a.m.	
Relinquished by: (signature)	Date/Time	Received by: (signature)	Relinquished by: (signature)	Date/Time	Received by: (signature)
Relinquished by: (signature)	Date/Time	Received for Lab. by: (signature)	Date/Time	Remarks:	
			7/18/02 1430		

CHAIN-OF-CUSTODY RECORD

~~FAX #~~

"Treatment" (Below-LANL) CMP 7H03/WBPG/R005/0000 WBBG/0000/0000 WER

H CC 80+ 4.7 ac

Los Alamos
Los Alamos National Laboratory
Los Alamos, New Mexico 87545

Contaminant Monitoring Team
P.O. #54862-001-02A5
ESH-20 MS M887
PI: GIL GONZALES (505)665-6630

Project Name: Cochiti Lake

Request the following analysis:
209 PCBs
Aroclor-equivalents

Remarks
Electro Shock Rig
Upper Rio Grande
Bill to # Line Item 0005 of P.O. #54862

Samplers (*signatures*): ~~dennis mayer~~ Patrick Valdez

Date	Time	Sample Name/Number	Number of containers	Sample Location
5/02/02	9:15	~~RGTrtCarp1 1 Red // duplicate~~		~~Carp Red Furthest upper Rio~~
	9:45	~~RGTrtCarp2 2 Blue // duplicate~~		~~Closer to Lake~~
	10:20	~~RGTrtCarp3 3 Blue 2 tub boise // duplicate~~		~~Closer to Lake~~
	10:35	~~RGTrtCarp4 4 No Color // duplicate~~		~~Closer to Lake~~
		~~RGTrtCarp4~~ WBR 9/11/02		~~Closer to Lake~~
5/02/02	9:15	RGTrtCarp1		CARP furthest upper Rio
	9:45	RGTrtCarp2		Closer to Lake CARP
	10:20	RGTrtCarp3		Closer to Lake CARP
	10:35	RGTrtCarp4		Closer to Lake CARP

9/11/02 WBR

Relinquished by: (*signature*)	Date/Time	Received by: (*signature*)	Relinquished by: (*signature*)	Date/Time	Received by: (*signature*)
WBR Valdez	9/11/02 9:30 AM				
Relinquished by: (*signature*)	Date/Time	Received by: (*signature*)	Relinquished by: (*signature*)	Date/Time	Received by: (*signature*)
Relinquished by: (*signature*)	Date/Time	Received for Lab. by: (*signature*)	Date/Time	Remarks:	
			9/12/02 10:15		

Sample ID: #1 CATCAP(A) **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 7-May-02
Time Collected: 1020

Sample Data
Matrix: Tissue
Sample Size: 25.08 g
%Lipids: 3.12

Laboratory Data
Lab Sample: 22514-001 Date Received: 17-Jul-02
QC Batch No.: 3156 Date Extracted: 23-Jul-02
Date Analyzed DB-1: 6-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-1	ND	0.00498	
PCB-2	ND	0.00498	
PCB-3	ND	0.00498	
PCB-4/10	ND	0.00997	
PCB-5/8	ND	0.00997	
PCB-6	ND	0.00498	
PCB-7/9	ND	0.00997	
PCB-11	ND	0.00498	
PCB-12/13	ND	0.00997	
PCB-14	ND	0.00498	
PCB-15	ND	0.00498	
PCB-16/32	0.0117	0.00997	
PCB-17	0.00632	0.00498	
PCB-18	0.0220	0.00498	B
PCB-19	ND	0.00498	
PCB-20/21/33	ND	0.0150	
PCB-22	0.0138	0.00498	
PCB-23	ND	0.00498	
PCB-24/27	ND	0.00997	
PCB-25	ND	0.00498	
PCB-26	ND	0.00498	
PCB-28	0.115	0.00498	B
PCB-29	ND	0.00498	
PCB-30	ND	0.00498	
PCB-31	0.0438	0.00498	B
PCB-34	ND	0.00498	
PCB-35	ND	0.00498	
PCB-36	ND	0.00498	
PCB-37	0.00506	0.00498	
PCB-38	ND	0.00498	
PCB-39	ND	0.00498	
PCB-40	ND	0.00997	
PCB-41/64/71/72	0.146	0.0399	
PCB-42/59	0.0359	0.0199	
PCB-43/49	0.215	0.0199	
PCB-44	0.118	0.00997	
PCB-45	ND	0.00997	
PCB-46	ND	0.00997	
PCB-47	0.101	0.00997	
PCB-48/75	ND	0.0199	
PCB-50	ND	0.00997	
PCB-51	ND	0.00997	
PCB-52/69	0.229	0.0199	
PCB-53	ND	0.00997	
PCB-54	ND	0.00997	
PCB-55	ND	0.00997	
PCB-56/60	0.113	0.0199	
PCB-57	ND	0.00997	
PCB-58	ND	0.00997	
PCB-61	ND	0.00997	
PCB-62	ND	0.00997	
PCB-63	0.0231	0.00997	
PCB-65	ND	0.00997	
PCB-66	0.468	0.00997	
PCB-67	ND	0.00997	
PCB-68	ND	0.00997	
PCB-70	0.0755	0.00997	B
PCB-73	ND	0.00997	
PCB-74	0.324	0.00997	
PCB-76	ND	0.00997	
PCB-77	ND	0.00997	
PCB-78	ND	0.00997	
PCB-79	0.0333	0.00997	
PCB-80	ND	0.00997	

Sample ID: #1 CATCAP(A) **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 7-May-02
Time Collected: 1020

Sample Data
Matrix: Tissue
Sample Size: 25.08 g
%Lipids: 3.12

Laboratory Data
Lab Sample: 22514-001 Date Received: 17-Jul-02
QC Batch No.: 3156 Date Extracted: 23-Jul-02
Date Analyzed DB-1: 6-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers	Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-81	0.0213	0.00997		PCB-124	0.0266	0.00997	
PCB-82	0.0652	0.00997		PCB-126	ND	0.00997	
PCB-83	ND	0.00997		PCB-127	ND	0.00997	
PCB-84/92	0.614	0.0199		PCB-128/162	0.880	0.0199	
PCB-85/116	0.612	0.0199		PCB-129	0.160	0.00997	
PCB-86	ND	0.00997		PCB-130	0.270	0.00997	
PCB-87/117/125	0.712	0.0299		PCB-131	ND	0.00997	
PCB-88/91	0.199	0.0199		PCB-132/161	0.563	0.0199	
PCB-89	ND	0.00997		PCB-133/142	0.125	0.0199	
PCB-90/101	2.12	0.0199		PCB-134/143	0.113	0.0199	
PCB-93	ND	0.00997		PCB-135	0.297	0.00997	
PCB-94	ND	0.00997		PCB-136	0.0354	0.00997	
PCB-95/98/102	0.348	0.0299		PCB-137	0.382	0.00997	
PCB-96	ND	0.00997		PCB-138/163/164	5.28	0.0299	
PCB-97	0.341	0.00997		PCB-139/149	1.85	0.0199	
PCB-99	1.79	0.00997		PCB-140	ND	0.00997	
PCB-100	ND	0.00997		PCB-141	0.872	0.00997	
PCB-103	ND	0.00997		PCB-144	0.101	0.00997	
PCB-104	ND	0.00997		PCB-145	ND	0.00997	
PCB-105	1.54	0.00997		PCB-146/165	0.894	0.0199	
PCB-106/118	4.15	0.0199		PCB-147	0.0933	0.00997	
PCB-107/109	0.180	0.0199		PCB-148	ND	0.00997	
PCB-108/112	0.0729	0.0199		PCB-150	ND	0.00997	
PCB-110	1.80	0.00997		PCB-151	0.580	0.00997	
PCB-113	ND	0.00997		PCB-152	ND	0.00997	
PCB-114	0.102	0.00997		PCB-153	6.20	0.00997	
PCB-111/115	0.100	0.0199		PCB-154	0.0391	0.00997	
PCB-119	0.0610	0.00997		PCB-155	ND	0.00997	
PCB-120	ND	0.00997		PCB-156	0.563	0.00997	
PCB-121	ND	0.00997		PCB-157	0.107	0.00997	
PCB-122	0.0233	0.00997		PCB-158/160	0.700	0.0199	
PCB-123	0.0596	0.00997		PCB-159	0.0348	0.00997	

Sample ID: #1 CATCAP(A) **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 7-May-02
Time Collected: 1020

Sample Data
Matrix: Tissue
Sample Size: 25.08 g
%Lipids: 3.12

Laboratory Data
Lab Sample: 22514-001 Date Received: 17-Jul-02
QC Batch No.: 3156 Date Extracted: 23-Jul-02
Date Analyzed DB-1: 6-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-166	0.0197	0.00997	
PCB-167	0.270	0.00997	
PCB-168	ND	0.00997	
PCB-169	ND	0.00997	
PCB-170	0.805	0.00997	
PCB-171	0.194	0.00997	
PCB-172	0.165	0.00997	
PCB-173	ND	0.00997	
PCB-174	0.437	0.00997	
PCB-175	0.0310	0.00997	
PCB-176	0.0305	0.00997	
PCB-177	0.291	0.00997	
PCB-178	0.149	0.00997	
PCB-179	0.113	0.00997	
PCB-180	2.03	0.00997	
PCB-181	ND	0.00997	
PCB-182/187	1.24	0.0199	
PCB-183	0.510	0.00997	
PCB-184	ND	0.00997	
PCB-185	0.0689	0.00997	
PCB-186	ND	0.00997	
PCB-188	ND	0.00997	
PCB-189	0.0273	0.00997	
PCB-190	0.175	0.00997	
PCB-191	0.0303	0.00997	
PCB-192	ND	0.00997	
PCB-193	0.0979	0.00997	
PCB-194	0.278	0.0150	
PCB-195	0.0995	0.0150	
PCB-196/203	0.457	0.0299	
PCB-197	ND	0.0150	
PCB-198	0.0189	0.0150	
PCB-199	0.443	0.0150	
PCB-200	0.0229	0.0150	
PCB-201	0.0367	0.0150	
PCB-202	0.0657	0.0150	
PCB-204	ND	0.0150	
PCB-205	ND	0.0150	
PCB-206	0.120	0.0150	
PCB-207	0.0159	0.0150	
PCB-208	0.0379	0.0150	
PCB-209	0.0370	0.0150	
Total monoCB	ND	0.00498	
Total diCB	ND	0.00498	
Total triCB	0.218	0.00498	B
Total tetraCB	1.90	0.00997	B
Total pentaCB	14.9	0.00997	
Total hexaCB	20.4	0.00997	
Total heptaCB	6.39	0.00997	
Total octaCB	1.42	0.0150	
Total nonaCB	0.173	0.0150	
Total decaCB	0.0370	0.0150	

Sample ID: #2 CATCAP(A) **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 7-May-02
Time Collected: 1020

Sample Data
Matrix: Tissue
Sample Size: 25 g
%Lipids: 2.58

Laboratory Data
Lab Sample: 22514-002 Date Received: 17-Jul-02
QC Batch No.: 3156 Date Extracted: 23-Jul-02
Date Analyzed DB-1: 6-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers	Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-1	ND	0.00500		PCB-41/64/71/72	0.0444	0.0400	
PCB-2	ND	0.00500		PCB-42/59	ND	0.0200	
PCB-3	ND	0.00500		PCB-43/49	0.0645	0.0200	
PCB-4/10	ND	0.0100		PCB-44	0.0184	0.0100	
PCB-5/8	ND	0.0100		PCB-45	ND	0.0100	
PCB-6	ND	0.00500		PCB-46	ND	0.0100	
PCB-7/9	ND	0.0100		PCB-47	0.0352	0.0100	
PCB-11	ND	0.00500		PCB-48/75	ND	0.0200	
PCB-12/13	ND	0.0100		PCB-50	ND	0.0100	
PCB-14	ND	0.00500		PCB-51	ND	0.0100	
PCB-15	ND	0.00500		PCB-52/69	0.0536	0.0200	
PCB-16/32	ND	0.0100		PCB-53	ND	0.0100	
PCB-17	ND	0.00500		PCB-54	ND	0.0100	
PCB-18	0.0114	0.00500	B	PCB-55	ND	0.0100	
PCB-19	ND	0.00500		PCB-56/60	0.0434	0.0200	
PCB-20/21/33	ND	0.0150		PCB-57	ND	0.0100	
PCB-22	0.0128	0.00500		PCB-58	ND	0.0100	
PCB-23	ND	0.00500		PCB-61	ND	0.0100	
PCB-24/27	ND	0.0100		PCB-62	ND	0.0100	
PCB-25	ND	0.00500		PCB-63	ND	0.0100	
PCB-26	ND	0.00500		PCB-65	ND	0.0100	
PCB-28	0.0678	0.00500	B	PCB-66	0.147	0.0100	
PCB-29	ND	0.00500		PCB-67	ND	0.0100	
PCB-30	ND	0.00500		PCB-68	ND	0.0100	
PCB-31	0.0324	0.00500	B	PCB-70	0.0341	0.0100	B
PCB-34	ND	0.00500		PCB-73	ND	0.0100	
PCB-35	ND	0.00500		PCB-74	0.0878	0.0100	
PCB-36	ND	0.00500		PCB-76	ND	0.0100	
PCB-37	ND	0.00500		PCB-77	ND	0.0100	
PCB-38	ND	0.00500		PCB-78	ND	0.0100	
PCB-39	ND	0.00500		PCB-79	ND	0.0100	
PCB-40	ND	0.0100		PCB-80	ND	0.0100	

Sample ID: #2 CATCAP(A) **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 7-May-02
Time Collected: 1020

Sample Data
Matrix: Tissue
Sample Size: 25 g
%Lipids: 2.58

Laboratory Data
Lab Sample: 22514-002 Date Received: 17-Jul-02
QC Batch No.: 3156 Date Extracted: 23-Jul-02
Date Analyzed DB-1: 6-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers	Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-81	ND	0.0100		PCB-124	ND	0.0100	
PCB-82	ND	0.0100		PCB-126	ND	0.0100	
PCB-83	ND	0.0100		PCB-127	ND	0.0100	
PCB-84/92	0.0935	0.0200		PCB-128/162	0.162	0.0200	
PCB-85/116	0.126	0.0200		PCB-129	0.0220	0.0100	
PCB-86	ND	0.0100		PCB-130	0.0289	0.0100	
PCB-87/117/125	0.0529	0.0300		PCB-131	ND	0.0100	
PCB-88/91	0.0232	0.0200		PCB-132/161	ND	0.0200	
PCB-89	ND	0.0100		PCB-133/142	0.0231	0.0200	
PCB-90/101	0.372	0.0200		PCB-134/143	ND	0.0200	
PCB-93	ND	0.0100		PCB-135	0.0696	0.0100	
PCB-94	ND	0.0100		PCB-136	ND	0.0100	
PCB-95/98/102	ND	0.0300		PCB-137	0.0632	0.0100	
PCB-96	ND	0.0100		PCB-138/163/164	1.35	0.0300	
PCB-97	0.0420	0.0100		PCB-139/149	0.253	0.0200	
PCB-99	0.383	0.0100		PCB-140	ND	0.0100	
PCB-100	ND	0.0100		PCB-141	0.163	0.0100	
PCB-103	ND	0.0100		PCB-144	0.0106	0.0100	
PCB-104	ND	0.0100		PCB-145	ND	0.0100	
PCB-105	0.295	0.0100		PCB-146/165	0.238	0.0200	
PCB-106/118	0.920	0.0200		PCB-147	0.0162	0.0100	
PCB-107/109	0.0431	0.0200		PCB-148	ND	0.0100	
PCB-108/112	ND	0.0200		PCB-150	ND	0.0100	
PCB-110	0.150	0.0100		PCB-151	0.163	0.0100	
PCB-113	ND	0.0100		PCB-152	ND	0.0100	
PCB-114	0.0181	0.0100		PCB-153	2.13	0.0100	
PCB-111/115	ND	0.0200		PCB-154	0.0101	0.0100	
PCB-119	0.0110	0.0100		PCB-155	ND	0.0100	
PCB-120	ND	0.0100		PCB-156	0.104	0.0100	
PCB-121	ND	0.0100		PCB-157	0.0185	0.0100	
PCB-122	ND	0.0100		PCB-158/160	0.139	0.0200	
PCB-123	0.0167	0.0100		PCB-159	0.0140	0.0100	

Sample ID: #2 CATCAP(A) **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 7-May-02
Time Collected: 1020

Sample Data
Matrix: Tissue
Sample Size: 25 g
%Lipids: 2.58

Laboratory Data
Lab Sample: 22514-002 Date Received: 17-Jul-02
QC Batch No.: 3156 Date Extracted: 23-Jul-02
Date Analyzed DB-1: 6-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-166	ND	0.0100	
PCB-167	0.0803	0.0100	
PCB-168	ND	0.0100	
PCB-169	ND	0.0100	
PCB-170	0.185	0.0100	
PCB-171	0.0537	0.0100	
PCB-172	0.0421	0.0100	
PCB-173	ND	0.0100	
PCB-174	0.128	0.0100	
PCB-175	ND	0.0100	
PCB-176	ND	0.0100	
PCB-177	0.0147	0.0100	
PCB-178	0.0639	0.0100	
PCB-179	0.0254	0.0100	
PCB-180	ND	0.0100	
PCB-181	ND	0.0100	
PCB-182/187	0.429	0.0200	
PCB-183	0.159	0.0100	
PCB-184	ND	0.0100	
PCB-185	0.0204	0.0100	
PCB-186	ND	0.0100	
PCB-188	ND	0.0100	
PCB-189	ND	0.0100	
PCB-190	0.0587	0.0100	
PCB-191	ND	0.0100	
PCB-192	ND	0.0100	
PCB-193	0.0326	0.0100	
PCB-194	0.0831	0.0150	
PCB-195	0.0391	0.0150	
PCB-196/203	0.169	0.0300	
PCB-197	ND	0.0150	
PCB-198	ND	0.0150	
PCB-199	0.151	0.0150	
PCB-200	ND	0.0150	
PCB-201	0.0167	0.0150	
PCB-202	0.0393	0.0150	
PCB-204	ND	0.0150	
PCB-205	ND	0.0150	
PCB-206	0.0489	0.0150	
PCB-207	ND	0.0150	
PCB-208	0.0190	0.0150	
PCB-209	0.0217	0.0150	
Total monoCB	ND	0.00500	
Total diCB	ND	0.00500	
Total triCB	0.124	0.00500	B
Total tetraCB	0.529	0.0100	B
Total pentaCB	2.55	0.0100	
Total hexaCB	5.06	0.0100	
Total heptaCB	1.21	0.0100	
Total octaCB	0.498	0.0150	
Total nonaCB	0.0679	0.0150	
Total decaCB	0.0217	0.0150	

Sample ID: #3 CATMED **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 7-May-02
Time Collected: 1035

Sample Data
Matrix: Tissue
Sample Size: 24.97 g
%Lipids: 3.13

Laboratory Data
Lab Sample: 22514-003 Date Received: 17-Jul-02
QC Batch No.: 3156 Date Extracted: 23-Jul-02
Date Analyzed DB-1: 6-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-1	ND	0.00501	
PCB-2	ND	0.00501	
PCB-3	ND	0.00501	
PCB-4/10	ND	0.0100	
PCB-5/8	ND	0.0100	
PCB-6	ND	0.00501	
PCB-7/9	ND	0.0100	
PCB-11	ND	0.00501	
PCB-12/13	ND	0.0100	
PCB-14	ND	0.00501	
PCB-15	ND	0.00501	
PCB-16/32	ND	0.0100	
PCB-17	ND	0.00501	
PCB-18	0.0128	0.00501	B
PCB-19	ND	0.00501	
PCB-20/21/33	ND	0.0150	
PCB-22	0.0104	0.00501	
PCB-23	ND	0.00501	
PCB-24/27	ND	0.0100	
PCB-25	ND	0.00501	
PCB-26	ND	0.00501	
PCB-28	0.0573	0.00501	B
PCB-29	ND	0.00501	
PCB-30	ND	0.00501	
PCB-31	0.0323	0.00501	B
PCB-34	ND	0.00501	
PCB-35	ND	0.00501	
PCB-36	ND	0.00501	
PCB-37	ND	0.00501	
PCB-38	ND	0.00501	
PCB-39	ND	0.00501	
PCB-40	ND	0.0100	
PCB-41/64/71/72	ND	0.0400	
PCB-42/59	ND	0.0200	
PCB-43/49	0.0620	0.0200	
PCB-44	0.0216	0.0100	
PCB-45	ND	0.0100	
PCB-46	ND	0.0100	
PCB-47	0.0370	0.0100	
PCB-48/75	ND	0.0200	
PCB-50	ND	0.0100	
PCB-51	ND	0.0100	
PCB-52/69	0.0540	0.0200	
PCB-53	ND	0.0100	
PCB-54	ND	0.0100	
PCB-55	ND	0.0100	
PCB-56/60	0.0429	0.0200	
PCB-57	ND	0.0100	
PCB-58	ND	0.0100	
PCB-61	ND	0.0100	
PCB-62	ND	0.0100	
PCB-63	ND	0.0100	
PCB-65	ND	0.0100	
PCB-66	0.144	0.0100	
PCB-67	ND	0.0100	
PCB-68	ND	0.0100	
PCB-70	0.0264	0.0100	B
PCB-73	ND	0.0100	
PCB-74	0.0917	0.0100	
PCB-76	ND	0.0100	
PCB-77	ND	0.0100	
PCB-78	ND	0.0100	
PCB-79	ND	0.0100	
PCB-80	ND	0.0100	

Sample ID: #3 CATMED **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 7-May-02
Time Collected: 1035

Sample Data
Matrix: Tissue
Sample Size: 24.97 g
%Lipids: 3.13

Laboratory Data
Lab Sample: 22514-003 Date Received: 17-Jul-02
QC Batch No.: 3156 Date Extracted: 23-Jul-02
Date Analyzed DB-1: 6-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-81	ND	0.0100	
PCB-82	ND	0.0100	
PCB-83	ND	0.0100	
PCB-84/92	0.111	0.0200	
PCB-85/116	0.138	0.0200	
PCB-86	ND	0.0100	
PCB-87/117/125	ND	0.0300	
PCB-88/91	0.0340	0.0200	
PCB-89	ND	0.0100	
PCB-90/101	0.359	0.0200	
PCB-93	ND	0.0100	
PCB-94	ND	0.0100	
PCB-95/98/102	0.0440	0.0300	
PCB-96	ND	0.0100	
PCB-97	0.0509	0.0100	
PCB-99	0.402	0.0100	
PCB-100	ND	0.0100	
PCB-103	ND	0.0100	
PCB-104	ND	0.0100	
PCB-105	0.329	0.0100	
PCB-106/118	0.983	0.0200	
PCB-107/109	ND	0.0200	
PCB-108/112	ND	0.0200	
PCB-110	0.0461	0.0100	
PCB-113	ND	0.0100	
PCB-114	0.0226	0.0100	
PCB-111/115	ND	0.0200	
PCB-119	0.0134	0.0100	
PCB-120	ND	0.0100	
PCB-121	ND	0.0100	
PCB-122	ND	0.0100	
PCB-123	0.0171	0.0100	

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-124	ND	0.0100	
PCB-126	ND	0.0100	
PCB-127	ND	0.0100	
PCB-128/162	0.192	0.0200	
PCB-129	ND	0.0100	
PCB-130	ND	0.0100	
PCB-131	ND	0.0100	
PCB-132/161	0.0229	0.0200	
PCB-133/142	0.0270	0.0200	
PCB-134/143	ND	0.0200	
PCB-135	0.0819	0.0100	
PCB-136	0.0102	0.0100	
PCB-137	0.0819	0.0100	
PCB-138/163/164	1.30	0.0300	
PCB-139/149	0.397	0.0200	
PCB-140	ND	0.0100	
PCB-141	0.196	0.0100	
PCB-144	0.0226	0.0100	
PCB-145	ND	0.0100	
PCB-146/165	0.263	0.0200	
PCB-147	0.0203	0.0100	
PCB-148	ND	0.0100	
PCB-150	ND	0.0100	
PCB-151	0.175	0.0100	
PCB-152	ND	0.0100	
PCB-153	2.24	0.0100	
PCB-154	0.0118	0.0100	
PCB-155	ND	0.0100	
PCB-156	0.125	0.0100	
PCB-157	0.0239	0.0100	
PCB-158/160	0.164	0.0200	
PCB-159	0.0144	0.0100	

Sample ID: #3 CATMED **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 7-May-02
Time Collected: 1035

Sample Data
Matrix: Tissue
Sample Size: 24.97 g
%Lipids: 3.13

Laboratory Data
Lab Sample: 22514-003 Date Received: 17-Jul-02
QC Batch No.: 3156 Date Extracted: 23-Jul-02
Date Analyzed DB-1: 6-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-166	ND	0.0100	
PCB-167	0.0885	0.0100	
PCB-168	ND	0.0100	
PCB-169	ND	0.0100	
PCB-170	0.242	0.0100	
PCB-171	0.0645	0.0100	
PCB-172	0.0533	0.0100	
PCB-173	ND	0.0100	
PCB-174	0.157	0.0100	
PCB-175	ND	0.0100	
PCB-176	ND	0.0100	
PCB-177	0.0259	0.0100	
PCB-178	0.0642	0.0100	
PCB-179	0.0419	0.0100	
PCB-180	0.715	0.0100	
PCB-181	ND	0.0100	
PCB-182/187	0.467	0.0200	
PCB-183	0.185	0.0100	
PCB-184	ND	0.0100	
PCB-185	0.0261	0.0100	
PCB-186	ND	0.0100	
PCB-188	ND	0.0100	
PCB-189	ND	0.0100	
PCB-190	0.0678	0.0100	
PCB-191	ND	0.0100	
PCB-192	ND	0.0100	
PCB-193	0.0351	0.0100	
PCB-194	0.116	0.0150	
PCB-195	0.0476	0.0150	
PCB-196/203	0.229	0.0300	
PCB-197	ND	0.0150	
PCB-198	ND	0.0150	
PCB-199	0.194	0.0150	
PCB-200	ND	0.0150	
PCB-201	0.0220	0.0150	
PCB-202	0.0430	0.0150	
PCB-204	ND	0.0150	
PCB-205	ND	0.0150	
PCB-206	0.0765	0.0150	
PCB-207	ND	0.0150	
PCB-208	0.0271	0.0150	
PCB-209	0.0335	0.0150	
Total monoCB	ND	0.00501	
Total diCB	ND	0.00501	
Total triCB	0.113	0.00501	B
Total tetraCB	0.480	0.0100	B
Total pentaCB	2.55	0.0100	
Total hexaCB	5.45	0.0100	
Total heptaCB	2.14	0.0100	
Total octaCB	0.651	0.0150	
Total nonaCB	0.104	0.0150	
Total decaCB	0.0335	0.0150	

Sample ID: #4 CATMED **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 7-May-02
Time Collected: 1040

Sample Data
Matrix: Tissue
Sample Size: 25.49 g
%Lipids: 3.23

Laboratory Data
Lab Sample: 22514-004 Date Received: 17-Jul-02
QC Batch No.: 3156 Date Extracted: 23-Jul-02
Date Analyzed DB-1: 6-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-1	ND	0.00490	
PCB-2	ND	0.00490	
PCB-3	ND	0.00490	
PCB-4/10	ND	0.00981	
PCB-5/8	ND	0.00981	
PCB-6	ND	0.00490	
PCB-7/9	ND	0.00981	
PCB-11	0.00803	0.00490	
PCB-12/13	ND	0.00981	
PCB-14	ND	0.00490	
PCB-15	ND	0.00490	
PCB-16/32	0.0107	0.00981	
PCB-17	0.00718	0.00490	
PCB-18	0.0212	0.00490	B
PCB-19	ND	0.00490	
PCB-20/21/33	ND	0.0147	
PCB-22	0.0112	0.00490	
PCB-23	ND	0.00490	
PCB-24/27	ND	0.00981	
PCB-25	ND	0.00490	
PCB-26	ND	0.00490	
PCB-28	0.0639	0.00490	B
PCB-29	ND	0.00490	
PCB-30	ND	0.00490	
PCB-31	0.0348	0.00490	B
PCB-34	ND	0.00490	
PCB-35	ND	0.00490	
PCB-36	ND	0.00490	
PCB-37	ND	0.00490	
PCB-38	ND	0.00490	
PCB-39	ND	0.00490	
PCB-40	ND	0.00981	
PCB-41/64/71/72	0.0592	0.0392	
PCB-42/59	ND	0.0196	
PCB-43/49	0.0703	0.0196	
PCB-44	0.0523	0.00981	
PCB-45	ND	0.00981	
PCB-46	ND	0.00981	
PCB-47	0.0319	0.00981	
PCB-48/75	ND	0.0196	
PCB-50	ND	0.00981	
PCB-51	ND	0.00981	
PCB-52/69	0.0795	0.0196	
PCB-53	ND	0.00981	
PCB-54	ND	0.00981	
PCB-55	ND	0.00981	
PCB-56/60	0.0424	0.0196	
PCB-57	ND	0.00981	
PCB-58	ND	0.00981	
PCB-61	ND	0.00981	
PCB-62	ND	0.00981	
PCB-63	ND	0.00981	
PCB-65	ND	0.00981	
PCB-66	0.128	0.00981	
PCB-67	ND	0.00981	
PCB-68	ND	0.00981	
PCB-70	0.0389	0.00981	B
PCB-73	ND	0.00981	
PCB-74	0.0775	0.00981	
PCB-76	ND	0.00981	
PCB-77	ND	0.00981	
PCB-78	ND	0.00981	
PCB-79	ND	0.00981	
PCB-80	ND	0.00981	

Sample ID: #4 CATMED **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 7-May-02
Time Collected: 1040

Sample Data
Matrix: Tissue
Sample Size: 25.49 g
%Lipids: 3.23

Laboratory Data
Lab Sample: 22514-004 Date Received: 17-Jul-02
QC Batch No.: 3156 Date Extracted: 23-Jul-02
Date Analyzed DB-1: 6-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-81	ND	0.00981	
PCB-82	0.0208	0.00981	
PCB-83	ND	0.00981	
PCB-84/92	0.109	0.0196	
PCB-85/116	0.102	0.0196	
PCB-86	ND	0.00981	
PCB-87/117/125	0.132	0.0294	
PCB-88/91	0.0399	0.0196	
PCB-89	ND	0.00981	
PCB-90/101	0.348	0.0196	
PCB-93	ND	0.00981	
PCB-94	ND	0.00981	
PCB-95/98/102	0.0950	0.0294	
PCB-96	ND	0.00981	
PCB-97	0.0822	0.00981	
PCB-99	0.275	0.00981	
PCB-100	ND	0.00981	
PCB-103	ND	0.00981	
PCB-104	ND	0.00981	
PCB-105	0.233	0.00981	
PCB-106/118	0.560	0.0196	
PCB-107/109	0.0374	0.0196	
PCB-108/112	ND	0.0196	
PCB-110	0.419	0.00981	
PCB-113	ND	0.00981	
PCB-114	0.0144	0.00981	
PCB-111/115	ND	0.0196	
PCB-119	0.0103	0.00981	
PCB-120	ND	0.00981	
PCB-121	ND	0.00981	
PCB-122	ND	0.00981	
PCB-123	ND	0.00981	

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-124	ND	0.00981	
PCB-126	ND	0.00981	
PCB-127	ND	0.00981	
PCB-128/162	0.140	0.0196	
PCB-129	0.0335	0.00981	
PCB-130	0.0652	0.00981	
PCB-131	ND	0.00981	
PCB-132/161	0.139	0.0196	
PCB-133/142	0.0262	0.0196	
PCB-134/143	0.0283	0.0196	
PCB-135	0.0759	0.00981	
PCB-136	0.0153	0.00981	
PCB-137	0.0530	0.00981	
PCB-138/163/164	1.02	0.0294	
PCB-139/149	0.479	0.0196	
PCB-140	ND	0.00981	
PCB-141	0.168	0.00981	
PCB-144	0.0194	0.00981	
PCB-145	ND	0.00981	
PCB-146/165	0.172	0.0196	
PCB-147	0.0148	0.00981	
PCB-148	ND	0.00981	
PCB-150	ND	0.00981	
PCB-151	0.164	0.00981	
PCB-152	ND	0.00981	
PCB-153	1.25	0.00981	
PCB-154	ND	0.00981	
PCB-155	ND	0.00981	
PCB-156	0.0827	0.00981	
PCB-157	0.0192	0.00981	
PCB-158/160	0.116	0.0196	
PCB-159	0.0133	0.00981	

Sample ID: #4 CATMED **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 7-May-02
Time Collected: 1040

Sample Data
Matrix: Tissue
Sample Size: 25.49 g
%Lipids: 3.23

Laboratory Data
Lab Sample: 22514-004 Date Received: 17-Jul-02
QC Batch No.: 3156 Date Extracted: 23-Jul-02
Date Analyzed DB-1: 6-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-166	ND	0.00981	
PCB-167	0.0470	0.00981	
PCB-168	ND	0.00981	
PCB-169	ND	0.00981	
PCB-170	0.208	0.00981	
PCB-171	0.0506	0.00981	
PCB-172	0.0464	0.00981	
PCB-173	ND	0.00981	
PCB-174	0.155	0.00981	
PCB-175	ND	0.00981	
PCB-176	0.0104	0.00981	
PCB-177	0.116	0.00981	
PCB-178	0.0498	0.00981	
PCB-179	0.0516	0.00981	
PCB-180	0.549	0.00981	
PCB-181	ND	0.00981	
PCB-182/187	0.339	0.0196	
PCB-183	0.140	0.00981	
PCB-184	ND	0.00981	
PCB-185	0.0218	0.00981	
PCB-186	ND	0.00981	
PCB-188	ND	0.00981	
PCB-189	ND	0.00981	
PCB-190	0.0502	0.00981	
PCB-191	ND	0.00981	
PCB-192	ND	0.00981	
PCB-193	0.0299	0.00981	
PCB-194	0.105	0.0147	
PCB-195	0.0426	0.0147	
PCB-196/203	0.181	0.0294	
PCB-197	ND	0.0147	
PCB-198	ND	0.0147	
PCB-199	0.170	0.0147	
PCB-200	ND	0.0147	
PCB-201	0.0167	0.0147	
PCB-202	0.0308	0.0147	
PCB-204	ND	0.0147	
PCB-205	ND	0.0147	
PCB-206	0.0598	0.0147	
PCB-207	ND	0.0147	
PCB-208	0.0207	0.0147	
PCB-209	0.0258	0.0147	
Total monoCB	ND	0.00490	
Total diCB	0.00803	0.00490	
Total triCB	0.149	0.00490	B
Total tetraCB	0.580	0.00981	B
Total pentaCB	2.48	0.00981	
Total hexaCB	4.15	0.00981	
Total heptaCB	1.80	0.00981	
Total octaCB	0.559	0.0147	
Total nonaCB	0.0806	0.0147	
Total decaCB	0.0258	0.0147	

Sample ID: #5 CATMED **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 7-May-02
Time Collected: 1040

Sample Data
Matrix: Tissue
Sample Size: 21.18 g
%Lipids: 6.95

Laboratory Data
Lab Sample: 22514-005 Date Received: 17-Jul-02
QC Batch No.: 3156 Date Extracted: 23-Jul-02
Date Analyzed DB-1: 6-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-1	ND	0.00590	
PCB-2	ND	0.00590	
PCB-3	ND	0.00590	
PCB-4/10	ND	0.0118	
PCB-5/8	ND	0.0118	
PCB-6	ND	0.00590	
PCB-7/9	ND	0.0118	
PCB-11	0.00842	0.00590	
PCB-12/13	ND	0.0118	
PCB-14	ND	0.00590	
PCB-15	ND	0.00590	
PCB-16/32	ND	0.0118	
PCB-17	0.00965	0.00590	
PCB-18	0.0278	0.00590	B
PCB-19	ND	0.00590	
PCB-20/21/33	ND	0.0177	
PCB-22	0.0180	0.00590	
PCB-23	ND	0.00590	
PCB-24/27	ND	0.0118	
PCB-25	ND	0.00590	
PCB-26	0.00619	0.00590	
PCB-28	0.0847	0.00590	B
PCB-29	ND	0.00590	
PCB-30	ND	0.00590	
PCB-31	0.0546	0.00590	B
PCB-34	ND	0.00590	
PCB-35	ND	0.00590	
PCB-36	ND	0.00590	
PCB-37	ND	0.00590	
PCB-38	ND	0.00590	
PCB-39	ND	0.00590	
PCB-40	ND	0.0118	
PCB-41/64/71/72	0.0720	0.0472	
PCB-42/59	ND	0.0236	
PCB-43/49	0.0836	0.0236	
PCB-44	0.0714	0.0118	
PCB-45	ND	0.0118	
PCB-46	ND	0.0118	
PCB-47	0.0337	0.0118	
PCB-48/75	ND	0.0236	
PCB-50	ND	0.0118	
PCB-51	ND	0.0118	
PCB-52/69	0.108	0.0236	
PCB-53	ND	0.0118	
PCB-54	ND	0.0118	
PCB-55	ND	0.0118	
PCB-56/60	0.0512	0.0236	
PCB-57	ND	0.0118	
PCB-58	ND	0.0118	
PCB-61	ND	0.0118	
PCB-62	ND	0.0118	
PCB-63	ND	0.0118	
PCB-65	ND	0.0118	
PCB-66	0.126	0.0118	
PCB-67	ND	0.0118	
PCB-68	ND	0.0118	
PCB-70	0.0656	0.0118	B
PCB-73	ND	0.0118	
PCB-74	0.0770	0.0118	
PCB-76	ND	0.0118	
PCB-77	ND	0.0118	
PCB-78	ND	0.0118	
PCB-79	ND	0.0118	
PCB-80	ND	0.0118	

Sample ID: #5 CATMED **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 7-May-02
Time Collected: 1040

Sample Data
Matrix: Tissue
Sample Size: 21.18 g
%Lipids: 6.95

Laboratory Data
Lab Sample: 22514-005 Date Received: 17-Jul-02
QC Batch No.: 3156 Date Extracted: 23-Jul-02
Date Analyzed DB-1: 6-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers	Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-81	ND	0.0118		PCB-124	ND	0.0118	
PCB-82	0.0271	0.0118		PCB-126	ND	0.0118	
PCB-83	ND	0.0118		PCB-127	ND	0.0118	
PCB-84/92	0.102	0.0236		PCB-128/162	0.128	0.0236	
PCB-85/116	0.0964	0.0236		PCB-129	0.0259	0.0118	
PCB-86	ND	0.0118		PCB-130	0.0561	0.0118	
PCB-87/117/125	0.137	0.0354		PCB-131	ND	0.0118	
PCB-88/91	0.0412	0.0236		PCB-132/161	0.127	0.0236	
PCB-89	ND	0.0118		PCB-133/142	ND	0.0236	
PCB-90/101	0.431	0.0236		PCB-134/143	ND	0.0236	
PCB-93	ND	0.0118		PCB-135	0.0609	0.0118	
PCB-94	ND	0.0118		PCB-136	0.0135	0.0118	
PCB-95/98/102	0.115	0.0354		PCB-137	0.0503	0.0118	
PCB-96	ND	0.0118		PCB-138/163/164	0.908	0.0354	
PCB-97	0.0941	0.0118		PCB-139/149	0.422	0.0236	
PCB-99	0.262	0.0118		PCB-140	ND	0.0118	
PCB-100	ND	0.0118		PCB-141	0.143	0.0118	
PCB-103	ND	0.0118		PCB-144	0.0194	0.0118	
PCB-104	ND	0.0118		PCB-145	ND	0.0118	
PCB-105	0.212	0.0118		PCB-146/165	0.152	0.0236	
PCB-106/118	0.534	0.0236		PCB-147	0.0136	0.0118	
PCB-107/109	0.0356	0.0236		PCB-148	ND	0.0118	
PCB-108/112	ND	0.0236		PCB-150	ND	0.0118	
PCB-110	0.419	0.0118		PCB-151	0.130	0.0118	
PCB-113	ND	0.0118		PCB-152	ND	0.0118	
PCB-114	0.0126	0.0118		PCB-153	1.10	0.0118	
PCB-111/115	ND	0.0236		PCB-154	ND	0.0118	
PCB-119	ND	0.0118		PCB-155	ND	0.0118	
PCB-120	ND	0.0118		PCB-156	0.0687	0.0118	
PCB-121	ND	0.0118		PCB-157	0.0131	0.0118	
PCB-122	ND	0.0118		PCB-158/160	0.100	0.0236	
PCB-123	ND	0.0118		PCB-159	ND	0.0118	

Sample ID: #5 CATMED **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 7-May-02
Time Collected: 1040

Sample Data
Matrix: Tissue
Sample Size: 21.18 g
%Lipids: 6.95

Laboratory Data
Lab Sample: 22514-005 Date Received: 17-Jul-02
QC Batch No.: 3156 Date Extracted: 23-Jul-02
Date Analyzed DB-1: 6-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-166	ND	0.0118	
PCB-167	0.0365	0.0118	
PCB-168	ND	0.0118	
PCB-169	ND	0.0118	
PCB-170	0.144	0.0118	
PCB-171	0.0383	0.0118	
PCB-172	0.0333	0.0118	
PCB-173	ND	0.0118	
PCB-174	0.103	0.0118	
PCB-175	ND	0.0118	
PCB-176	ND	0.0118	
PCB-177	0.0811	0.0118	
PCB-178	0.0385	0.0118	
PCB-179	0.0293	0.0118	
PCB-180	0.384	0.0118	
PCB-181	ND	0.0118	
PCB-182/187	0.253	0.0236	
PCB-183	0.102	0.0118	
PCB-184	ND	0.0118	
PCB-185	0.0171	0.0118	
PCB-186	ND	0.0118	
PCB-188	ND	0.0118	
PCB-189	ND	0.0118	
PCB-190	0.0314	0.0118	
PCB-191	ND	0.0118	
PCB-192	ND	0.0118	
PCB-193	0.0201	0.0118	
PCB-194	0.0595	0.0177	
PCB-195	0.0235	0.0177	
PCB-196/203	0.103	0.0354	
PCB-197	ND	0.0177	
PCB-198	ND	0.0177	
PCB-199	0.0840	0.0177	
PCB-200	ND	0.0177	
PCB-201	ND	0.0177	
PCB-202	0.0207	0.0177	
PCB-204	ND	0.0177	
PCB-205	ND	0.0177	
PCB-206	0.0312	0.0177	
PCB-207	ND	0.0177	
PCB-208	ND	0.0177	
PCB-209	ND	0.0177	
Total monoCB	ND	0.00590	
Total diCB	0.00842	0.00590	
Total triCB	0.201	0.00590	B
Total tetraCB	0.712	0.0118	B
Total pentaCB	2.52	0.0118	
Total hexaCB	3.57	0.0118	
Total heptaCB	1.27	0.0118	
Total octaCB	0.291	0.0177	
Total nonaCB	0.0312	0.0177	
Total decaCB	ND	0.0177	

Sample ID: # 6 CATMED (A) **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 7-May-02
Time Collected: 1050

Sample Data
Matrix: Tissue
Sample Size: 25.08 g
%Lipids: 3.37

Laboratory Data
Lab Sample: 22514-006 Date Received: 17-Jul-02
QC Batch No.: 3156 Date Extracted: 23-Jul-02
Date Analyzed DB-1: 6-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-1	ND	0.00498	
PCB-2	ND	0.00498	
PCB-3	ND	0.00498	
PCB-4/10	ND	0.00997	
PCB-5/8	ND	0.00997	
PCB-6	ND	0.00498	
PCB-7/9	ND	0.00997	
PCB-11	0.00544	0.00498	
PCB-12/13	ND	0.00997	
PCB-14	ND	0.00498	
PCB-15	ND	0.00498	
PCB-16/32	ND	0.00997	
PCB-17	ND	0.00498	
PCB-18	0.0124	0.00498	B
PCB-19	ND	0.00498	
PCB-20/21/33	ND	0.0150	
PCB-22	0.0103	0.00498	
PCB-23	ND	0.00498	
PCB-24/27	ND	0.00997	
PCB-25	ND	0.00498	
PCB-26	ND	0.00498	
PCB-28	0.0805	0.00498	B
PCB-29	ND	0.00498	
PCB-30	ND	0.00498	
PCB-31	0.0356	0.00498	B
PCB-34	ND	0.00498	
PCB-35	ND	0.00498	
PCB-36	ND	0.00498	
PCB-37	ND	0.00498	
PCB-38	ND	0.00498	
PCB-39	ND	0.00498	
PCB-40	ND	0.00997	
PCB-41/64/71/72	ND	0.0399	
PCB-42/59	ND	0.0199	
PCB-43/49	0.0703	0.0199	
PCB-44	0.0192	0.00997	
PCB-45	ND	0.00997	
PCB-46	ND	0.00997	
PCB-47	0.0366	0.00997	
PCB-48/75	ND	0.0199	
PCB-50	ND	0.00997	
PCB-51	ND	0.00997	
PCB-52/69	0.0739	0.0199	
PCB-53	ND	0.00997	
PCB-54	ND	0.00997	
PCB-55	ND	0.00997	
PCB-56/60	0.0411	0.0199	
PCB-57	ND	0.00997	
PCB-58	ND	0.00997	
PCB-61	ND	0.00997	
PCB-62	ND	0.00997	
PCB-63	ND	0.00997	
PCB-65	ND	0.00997	
PCB-66	0.143	0.00997	
PCB-67	ND	0.00997	
PCB-68	ND	0.00997	
PCB-70	0.0364	0.00997	B
PCB-73	ND	0.00997	
PCB-74	0.0873	0.00997	
PCB-76	ND	0.00997	
PCB-77	ND	0.00997	
PCB-78	ND	0.00997	
PCB-79	ND	0.00997	
PCB-80	ND	0.00997	

Sample ID: # 6 CATMED (A) **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 7-May-02
Time Collected: 1050

Sample Data
Matrix: Tissue
Sample Size: 25.08 g
%Lipids: 3.37

Laboratory Data
Lab Sample: 22514-006 Date Received: 17-Jul-02
QC Batch No.: 3156 Date Extracted: 23-Jul-02
Date Analyzed DB-1: 6-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers	Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-81	ND	0.00997		PCB-124	0.0112	0.00997	
PCB-82	ND	0.00997		PCB-126	ND	0.00997	
PCB-83	ND	0.00997		PCB-127	ND	0.00997	
PCB-84/92	0.102	0.0199		PCB-128/162	0.167	0.0199	
PCB-85/116	0.121	0.0199		PCB-129	ND	0.00997	
PCB-86	ND	0.00997		PCB-130	ND	0.00997	
PCB-87/117/125	0.0344	0.0299		PCB-131	ND	0.00997	
PCB-88/91	0.0367	0.0199		PCB-132/161	0.0422	0.0199	
PCB-89	ND	0.00997		PCB-133/142	0.0260	0.0199	
PCB-90/101	0.429	0.0199		PCB-134/143	ND	0.0199	
PCB-93	ND	0.00997		PCB-135	0.0734	0.00997	
PCB-94	ND	0.00997		PCB-136	0.0177	0.00997	
PCB-95/98/102	0.0650	0.0299		PCB-137	0.0665	0.00997	
PCB-96	ND	0.00997		PCB-138/163/164	1.10	0.0299	
PCB-97	0.0582	0.00997		PCB-139/149	0.413	0.0199	
PCB-99	0.344	0.00997		PCB-140	ND	0.00997	
PCB-100	ND	0.00997		PCB-141	0.178	0.00997	
PCB-103	ND	0.00997		PCB-144	0.0258	0.00997	
PCB-104	ND	0.00997		PCB-145	ND	0.00997	
PCB-105	0.258	0.00997		PCB-146/165	0.226	0.0199	
PCB-106/118	0.685	0.0199		PCB-147	0.0196	0.00997	
PCB-107/109	0.0205	0.0199		PCB-148	ND	0.00997	
PCB-108/112	ND	0.0199		PCB-150	ND	0.00997	
PCB-110	0.0692	0.00997		PCB-151	0.164	0.00997	
PCB-113	ND	0.00997		PCB-152	ND	0.00997	
PCB-114	0.0158	0.00997		PCB-153	1.67	0.00997	
PCB-111/115	ND	0.0199		PCB-154	0.0119	0.00997	
PCB-119	0.0127	0.00997		PCB-155	ND	0.00997	
PCB-120	ND	0.00997		PCB-156	0.0835	0.00997	
PCB-121	ND	0.00997		PCB-157	0.0183	0.00997	
PCB-122	ND	0.00997		PCB-158/160	0.130	0.0199	
PCB-123	0.0117	0.00997		PCB-159	0.0147	0.00997	

Sample ID: # 6 CATMED (A) **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 7-May-02
Time Collected: 1050

Sample Data
Matrix: Tissue
Sample Size: 25.08 g
%Lipids: 3.37

Laboratory Data
Lab Sample: 22514-006 Date Received: 17-Jul-02
QC Batch No.: 3156 Date Extracted: 23-Jul-02
Date Analyzed DB-1: 6-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-166	ND	0.00997	
PCB-167	0.0560	0.00997	
PCB-168	ND	0.00997	
PCB-169	ND	0.00997	
PCB-170	0.219	0.00997	
PCB-171	0.0586	0.00997	
PCB-172	0.0479	0.00997	
PCB-173	ND	0.00997	
PCB-174	0.136	0.00997	
PCB-175	ND	0.00997	
PCB-176	0.0109	0.00997	
PCB-177	0.0435	0.00997	
PCB-178	0.0583	0.00997	
PCB-179	0.0487	0.00997	
PCB-180	0.604	0.00997	
PCB-181	ND	0.00997	
PCB-182/187	0.397	0.0199	
PCB-183	0.160	0.00997	
PCB-184	ND	0.00997	
PCB-185	0.0219	0.00997	
PCB-186	ND	0.00997	
PCB-188	ND	0.00997	
PCB-189	ND	0.00997	
PCB-190	0.0485	0.00997	
PCB-191	ND	0.00997	
PCB-192	ND	0.00997	
PCB-193	0.0286	0.00997	
PCB-194	0.0987	0.0150	
PCB-195	0.0413	0.0150	
PCB-196/203	0.176	0.0299	
PCB-197	ND	0.0150	
PCB-198	ND	0.0150	
PCB-199	0.175	0.0150	
PCB-200	ND	0.0150	
PCB-201	0.0194	0.0150	
PCB-202	0.0330	0.0150	
PCB-204	ND	0.0150	
PCB-205	ND	0.0150	
PCB-206	0.0470	0.0150	
PCB-207	ND	0.0150	
PCB-208	0.0210	0.0150	
PCB-209	0.0239	0.0150	
Total monoCB	ND	0.00498	
Total diCB	0.00544	0.00498	
Total triCB	0.139	0.00498	B
Total tetraCB	0.508	0.00997	B
Total pentaCB	2.27	0.00997	
Total hexaCB	4.51	0.00997	
Total heptaCB	1.88	0.00997	
Total octaCB	0.543	0.0150	
Total nonaCB	0.0680	0.0150	
Total decaCB	0.0239	0.0150	

Sample ID: # 7 CATMED (A) **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 7-May-02
Time Collected: 1055

Sample Data
Matrix: Tissue
Sample Size: 25.22 g
%Lipids: 3.64

Laboratory Data
Lab Sample: 22514-007 Date Received: 17-Jul-02
QC Batch No.: 3156 Date Extracted: 23-Jul-02
Date Analyzed DB-1: 6-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-1	ND	0.00496	
PCB-2	ND	0.00496	
PCB-3	ND	0.00496	
PCB-4/10	ND	0.00991	
PCB-5/8	ND	0.00991	
PCB-6	ND	0.00496	
PCB-7/9	ND	0.00991	
PCB-11	0.00589	0.00496	
PCB-12/13	ND	0.00991	
PCB-14	ND	0.00496	
PCB-15	ND	0.00496	
PCB-16/32	ND	0.00991	
PCB-17	ND	0.00496	
PCB-18	0.0155	0.00496	B
PCB-19	ND	0.00496	
PCB-20/21/33	ND	0.0149	
PCB-22	0.0109	0.00496	
PCB-23	ND	0.00496	
PCB-24/27	ND	0.00991	
PCB-25	ND	0.00496	
PCB-26	ND	0.00496	
PCB-28	0.0673	0.00496	B
PCB-29	ND	0.00496	
PCB-30	ND	0.00496	
PCB-31	0.0391	0.00496	B
PCB-34	ND	0.00496	
PCB-35	ND	0.00496	
PCB-36	ND	0.00496	
PCB-37	ND	0.00496	
PCB-38	ND	0.00496	
PCB-39	ND	0.00496	
PCB-40	ND	0.00991	
PCB-41/64/71/72	0.0529	0.0397	
PCB-42/59	ND	0.0198	
PCB-43/49	0.0707	0.0198	
PCB-44	0.0402	0.00991	
PCB-45	ND	0.00991	
PCB-46	ND	0.00991	
PCB-47	0.0386	0.00991	
PCB-48/75	ND	0.0198	
PCB-50	ND	0.00991	
PCB-51	ND	0.00991	
PCB-52/69	0.0645	0.0198	
PCB-53	ND	0.00991	
PCB-54	ND	0.00991	
PCB-55	ND	0.00991	
PCB-56/60	0.0477	0.0198	
PCB-57	ND	0.00991	
PCB-58	ND	0.00991	
PCB-61	ND	0.00991	
PCB-62	ND	0.00991	
PCB-63	0.00991	0.00991	
PCB-65	ND	0.00991	
PCB-66	0.186	0.00991	
PCB-67	ND	0.00991	
PCB-68	ND	0.00991	
PCB-70	0.0427	0.00991	B
PCB-73	ND	0.00991	
PCB-74	0.131	0.00991	
PCB-76	ND	0.00991	
PCB-77	ND	0.00991	
PCB-78	ND	0.00991	
PCB-79	0.0179	0.00991	
PCB-80	ND	0.00991	

Sample ID: # 7 CATMED (A) **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 7-May-02
Time Collected: 1055

Sample Data
Matrix: Tissue
Sample Size: 25.22 g
%Lipids: 3.64

Laboratory Data
Lab Sample: 22514-007 Date Received: 17-Jul-02
QC Batch No.: 3156 Date Extracted: 23-Jul-02
Date Analyzed DB-1: 6-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-81	0.0102	0.00991	
PCB-82	ND	0.00991	
PCB-83	ND	0.00991	
PCB-84/92	0.226	0.0198	
PCB-85/116	0.282	0.0198	
PCB-86	ND	0.00991	
PCB-87/117/125	0.332	0.0297	
PCB-88/91	0.0595	0.0198	
PCB-89	ND	0.00991	
PCB-90/101	0.495	0.0198	
PCB-93	ND	0.00991	
PCB-94	ND	0.00991	
PCB-95/98/102	0.0622	0.0297	
PCB-96	ND	0.00991	
PCB-97	0.0541	0.00991	
PCB-99	0.857	0.00991	
PCB-100	ND	0.00991	
PCB-103	ND	0.00991	
PCB-104	ND	0.00991	
PCB-105	0.837	0.00991	
PCB-106/118	2.23	0.0198	
PCB-107/109	0.116	0.0198	
PCB-108/112	0.0329	0.0198	
PCB-110	0.725	0.00991	
PCB-113	ND	0.00991	
PCB-114	0.0554	0.00991	
PCB-111/115	0.0393	0.0198	
PCB-119	0.0257	0.00991	
PCB-120	ND	0.00991	
PCB-121	ND	0.00991	
PCB-122	0.0108	0.00991	
PCB-123	0.0267	0.00991	

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-124	ND	0.00991	
PCB-126	ND	0.00991	
PCB-127	ND	0.00991	
PCB-128/162	0.482	0.0198	
PCB-129	0.132	0.00991	
PCB-130	0.189	0.00991	
PCB-131	ND	0.00991	
PCB-132/161	0.187	0.0198	
PCB-133/142	0.0520	0.0198	
PCB-134/143	0.0357	0.0198	
PCB-135	0.0883	0.00991	
PCB-136	ND	0.00991	
PCB-137	0.227	0.00991	
PCB-138/163/164	2.87	0.0297	
PCB-139/149	0.697	0.0198	
PCB-140	ND	0.00991	
PCB-141	0.459	0.00991	
PCB-144	0.0383	0.00991	
PCB-145	ND	0.00991	
PCB-146/165	0.430	0.0198	
PCB-147	0.0497	0.00991	
PCB-148	ND	0.00991	
PCB-150	ND	0.00991	
PCB-151	0.158	0.00991	
PCB-152	ND	0.00991	
PCB-153	3.05	0.00991	
PCB-154	0.0176	0.00991	
PCB-155	ND	0.00991	
PCB-156	0.382	0.00991	
PCB-157	0.0826	0.00991	
PCB-158/160	0.398	0.0198	
PCB-159	0.0152	0.00991	

Sample ID: # 7 CATMED (A) **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 7-May-02
Time Collected: 1055

Sample Data
Matrix: Tissue
Sample Size: 25.22 g
%Lipids: 3.64

Laboratory Data
Lab Sample: 22514-007 Date Received: 17-Jul-02
QC Batch No.: 3156 Date Extracted: 23-Jul-02
Date Analyzed DB-1: 6-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-166	0.0172	0.00991	
PCB-167	0.169	0.00991	
PCB-168	ND	0.00991	
PCB-169	ND	0.00991	
PCB-170	0.380	0.00991	
PCB-171	0.0850	0.00991	
PCB-172	0.0744	0.00991	
PCB-173	ND	0.00991	
PCB-174	0.181	0.00991	
PCB-175	0.0123	0.00991	
PCB-176	ND	0.00991	
PCB-177	0.135	0.00991	
PCB-178	0.0576	0.00991	
PCB-179	0.0129	0.00991	
PCB-180	0.883	0.00991	
PCB-181	ND	0.00991	
PCB-182/187	0.453	0.0198	
PCB-183	0.200	0.00991	
PCB-184	ND	0.00991	
PCB-185	0.0239	0.00991	
PCB-186	ND	0.00991	
PCB-188	ND	0.00991	
PCB-189	0.0185	0.00991	
PCB-190	0.0802	0.00991	
PCB-191	0.0179	0.00991	
PCB-192	ND	0.00991	
PCB-193	0.0435	0.00991	
PCB-194	0.110	0.0149	
PCB-195	0.0385	0.0149	
PCB-196/203	0.158	0.0297	
PCB-197	ND	0.0149	
PCB-198	ND	0.0149	
PCB-199	0.167	0.0149	
PCB-200	ND	0.0149	
PCB-201	ND	0.0149	
PCB-202	0.0267	0.0149	
PCB-204	ND	0.0149	
PCB-205	ND	0.0149	
PCB-206	0.0454	0.0149	
PCB-207	ND	0.0149	
PCB-208	0.0153	0.0149	
PCB-209	0.0192	0.0149	
Total monoCB	ND	0.00496	
Total diCB	0.00589	0.00496	
Total triCB	0.133	0.00496	B
Total tetraCB	0.712	0.00992	B
Total pentaCB	6.46	0.00991	
Total hexaCB	10.2	0.00991	
Total heptaCB	2.66	0.00991	
Total octaCB	0.501	0.0149	
Total nonaCB	0.0607	0.0149	
Total decaCB	0.0192	0.0149	

Sample ID: # 8 CATMED (A) **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 7-May-02
Time Collected: 1145

Sample Data
Matrix: Tissue
Sample Size: 25.07 g
%Lipids: 3.89

Laboratory Data
Lab Sample: 22514-008 Date Received: 17-Jul-02
QC Batch No.: 3156 Date Extracted: 23-Jul-02
Date Analyzed DB-1: 7-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-1	ND	0.00499	
PCB-2	ND	0.00499	
PCB-3	ND	0.00499	
PCB-4/10	ND	0.00997	
PCB-5/8	ND	0.00997	
PCB-6	ND	0.00499	
PCB-7/9	ND	0.00997	
PCB-11	ND	0.00499	
PCB-12/13	ND	0.00997	
PCB-14	ND	0.00499	
PCB-15	ND	0.00499	
PCB-16/32	0.0139	0.00997	
PCB-17	0.00935	0.00499	
PCB-18	0.0266	0.00499	B
PCB-19	ND	0.00499	
PCB-20/21/33	0.0186	0.0150	
PCB-22	0.0192	0.00499	
PCB-23	ND	0.00499	
PCB-24/27	ND	0.00997	
PCB-25	ND	0.00499	
PCB-26	ND	0.00499	
PCB-28	0.0958	0.00499	B
PCB-29	ND	0.00499	
PCB-30	ND	0.00499	
PCB-31	0.0423	0.00499	B
PCB-34	ND	0.00499	
PCB-35	ND	0.00499	
PCB-36	ND	0.00499	
PCB-37	ND	0.00499	
PCB-38	ND	0.00499	
PCB-39	ND	0.00499	
PCB-40	ND	0.00997	

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-41/64/71/72	0.137	0.0399	
PCB-42/59	0.0461	0.0199	
PCB-43/49	0.175	0.0199	
PCB-44	0.102	0.00997	
PCB-45	ND	0.00997	
PCB-46	ND	0.00997	
PCB-47	0.0789	0.00997	
PCB-48/75	0.0204	0.0199	
PCB-50	ND	0.00997	
PCB-51	ND	0.00997	
PCB-52/69	0.162	0.0199	
PCB-53	ND	0.00997	
PCB-54	ND	0.00997	
PCB-55	ND	0.00997	
PCB-56/60	0.0964	0.0199	
PCB-57	ND	0.00997	
PCB-58	ND	0.00997	
PCB-61	ND	0.00997	
PCB-62	ND	0.00997	
PCB-63	0.0139	0.00997	
PCB-65	ND	0.00997	
PCB-66	0.243	0.00997	
PCB-67	ND	0.00997	
PCB-68	ND	0.00997	
PCB-70	0.0561	0.00997	B
PCB-73	ND	0.00997	
PCB-74	0.166	0.00997	
PCB-76	ND	0.00997	
PCB-77	ND	0.00997	
PCB-78	ND	0.00997	
PCB-79	0.0157	0.00997	
PCB-80	ND	0.00997	

Sample ID: # 8 CATMED (A) **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 7-May-02
Time Collected: 1145

Sample Data
Matrix: Tissue
Sample Size: 25.07 g
%Lipids: 3.89

Laboratory Data
Lab Sample: 22514-008 Date Received: 17-Jul-02
QC Batch No.: 3156 Date Extracted: 23-Jul-02
Date Analyzed DB-1: 7-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-81	0.0132	0.00997	
PCB-82	0.0385	0.00997	
PCB-83	ND	0.00997	
PCB-84/92	0.198	0.0199	
PCB-85/116	0.208	0.0199	
PCB-86	ND	0.00997	
PCB-87/117/125	0.252	0.0299	
PCB-88/91	0.0712	0.0199	
PCB-89	ND	0.00997	
PCB-90/101	0.787	0.0199	
PCB-93	ND	0.00997	
PCB-94	ND	0.00997	
PCB-95/98/102	0.150	0.0299	
PCB-96	ND	0.00997	
PCB-97	0.192	0.00997	
PCB-99	0.547	0.00997	
PCB-100	ND	0.00997	
PCB-103	ND	0.00997	
PCB-104	ND	0.00997	
PCB-105	0.451	0.00997	
PCB-106/118	1.38	0.0199	
PCB-107/109	0.0787	0.0199	
PCB-108/112	0.0255	0.0199	
PCB-110	0.724	0.00997	
PCB-113	ND	0.00997	
PCB-114	0.0316	0.00997	
PCB-111/115	0.0236	0.0199	
PCB-119	0.0195	0.00997	
PCB-120	ND	0.00997	
PCB-121	ND	0.00997	
PCB-122	ND	0.00997	
PCB-123	0.0196	0.00997	

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-124	ND	0.00997	
PCB-126	ND	0.00997	
PCB-127	ND	0.00997	
PCB-128/162	0.318	0.0199	
PCB-129	0.0789	0.00997	
PCB-130	0.118	0.00997	
PCB-131	ND	0.00997	
PCB-132/161	0.209	0.0199	
PCB-133/142	0.0462	0.0199	
PCB-134/143	0.0511	0.0199	
PCB-135	0.115	0.00997	
PCB-136	0.0226	0.00997	
PCB-137	0.139	0.00997	
PCB-138/163/164	2.11	0.0299	
PCB-139/149	0.797	0.0199	
PCB-140	ND	0.00997	
PCB-141	0.330	0.00997	
PCB-144	0.0396	0.00997	
PCB-145	ND	0.00997	
PCB-146/165	0.322	0.0199	
PCB-147	0.0314	0.00997	
PCB-148	ND	0.00997	
PCB-150	ND	0.00997	
PCB-151	0.241	0.00997	
PCB-152	ND	0.00997	
PCB-153	2.39	0.00997	
PCB-154	0.0152	0.00997	
PCB-155	ND	0.00997	
PCB-156	0.204	0.00997	
PCB-157	0.0415	0.00997	
PCB-158/160	0.254	0.0199	
PCB-159	0.0123	0.00997	

Sample ID: # 8 CATMED (A) **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 7-May-02
Time Collected: 1145

Sample Data
Matrix: Tissue
Sample Size: 25.07 g
%Lipids: 3.89

Laboratory Data
Lab Sample: 22514-008 Date Received: 17-Jul-02
QC Batch No.: 3156 Date Extracted: 23-Jul-02
Date Analyzed DB-1: 7-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-166	ND	0.00997	
PCB-167	0.106	0.00997	
PCB-168	ND	0.00997	
PCB-169	ND	0.00997	
PCB-170	0.326	0.00997	
PCB-171	0.0784	0.00997	
PCB-172	0.0684	0.00997	
PCB-173	ND	0.00997	
PCB-174	0.204	0.00997	
PCB-175	0.0133	0.00997	
PCB-176	0.0155	0.00997	
PCB-177	0.157	0.00997	
PCB-178	0.0679	0.00997	
PCB-179	0.0570	0.00997	
PCB-180	0.861	0.00997	
PCB-181	ND	0.00997	
PCB-182/187	0.516	0.0199	
PCB-183	0.223	0.00997	
PCB-184	ND	0.00997	
PCB-185	0.0331	0.00997	
PCB-186	ND	0.00997	
PCB-188	ND	0.00997	
PCB-189	0.0121	0.00997	
PCB-190	0.0813	0.00997	
PCB-191	0.0140	0.00997	
PCB-192	ND	0.00997	
PCB-193	0.0427	0.00997	
PCB-194	0.138	0.0150	
PCB-195	0.0488	0.0150	
PCB-196/203	0.251	0.0299	
PCB-197	ND	0.0150	
PCB-198	ND	0.0150	
PCB-199	0.208	0.0150	
PCB-200	ND	0.0150	
PCB-201	0.0200	0.0150	
PCB-202	0.0384	0.0150	
PCB-204	ND	0.0150	
PCB-205	ND	0.0150	
PCB-206	0.0561	0.0150	
PCB-207	ND	0.0150	
PCB-208	0.0214	0.0150	
PCB-209	0.0312	0.0150	
Total monoCB	ND	0.00499	
Total diCB	ND	0.00499	
Total triCB	0.226	0.00499	B
Total tetraCB	1.33	0.00997	B
Total pentaCB	5.20	0.00997	
Total hexaCB	7.99	0.00997	
Total heptaCB	2.77	0.00997	
Total octaCB	0.705	0.0150	
Total nonaCB	0.0776	0.0150	
Total decaCB	0.0312	0.0150	

Sample ID: #18 CATSED **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 7-May-02
Time Collected: 1215

Sample Data
Matrix: Tissue
Sample Size: 25.21 g
%Lipids: 4.30

Laboratory Data
Lab Sample: 22514-009 Date Received: 17-Jul-02
QC Batch No.: 3156 Date Extracted: 23-Jul-02
Date Analyzed DB-1: 7-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-1	ND	0.00496	
PCB-2	ND	0.00496	
PCB-3	ND	0.00496	
PCB-4/10	ND	0.00992	
PCB-5/8	ND	0.00992	
PCB-6	ND	0.00496	
PCB-7/9	ND	0.00992	
PCB-11	0.00702	0.00496	
PCB-12/13	ND	0.00992	
PCB-14	ND	0.00496	
PCB-15	ND	0.00496	
PCB-16/32	ND	0.00992	
PCB-17	ND	0.00496	
PCB-18	0.0230	0.00496	B
PCB-19	ND	0.00496	
PCB-20/21/33	ND	0.0149	
PCB-22	0.0118	0.00496	
PCB-23	ND	0.00496	
PCB-24/27	ND	0.00992	
PCB-25	ND	0.00496	
PCB-26	0.00584	0.00496	
PCB-28	0.0528	0.00496	B
PCB-29	ND	0.00496	
PCB-30	ND	0.00496	
PCB-31	0.0392	0.00496	B
PCB-34	ND	0.00496	
PCB-35	ND	0.00496	
PCB-36	ND	0.00496	
PCB-37	ND	0.00496	
PCB-38	ND	0.00496	
PCB-39	ND	0.00496	
PCB-40	ND	0.00992	

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-41/64/71/72	0.0692	0.0397	
PCB-42/59	ND	0.0198	
PCB-43/49	0.0673	0.0198	
PCB-44	0.0550	0.00992	
PCB-45	ND	0.00992	
PCB-46	ND	0.00992	
PCB-47	0.0324	0.00992	
PCB-48/75	ND	0.0198	
PCB-50	ND	0.00992	
PCB-51	ND	0.00992	
PCB-52/69	0.136	0.0198	
PCB-53	ND	0.00992	
PCB-54	ND	0.00992	
PCB-55	ND	0.00992	
PCB-56/60	0.0542	0.0198	
PCB-57	ND	0.00992	
PCB-58	ND	0.00992	
PCB-61	ND	0.00992	
PCB-62	ND	0.00992	
PCB-63	ND	0.00992	
PCB-65	ND	0.00992	
PCB-66	0.106	0.00992	
PCB-67	ND	0.00992	
PCB-68	ND	0.00992	
PCB-70	0.0537	0.00992	B
PCB-73	ND	0.00992	
PCB-74	0.0607	0.00992	
PCB-76	ND	0.00992	
PCB-77	ND	0.00992	
PCB-78	ND	0.00992	
PCB-79	ND	0.00992	
PCB-80	ND	0.00992	

Sample ID: #18 CATSED **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 7-May-02
Time Collected: 1215

Sample Data
Matrix: Tissue
Sample Size: 25.21 g
%Lipids: 4.30

Laboratory Data
Lab Sample: 22514-009 Date Received: 17-Jul-02
QC Batch No.: 3156 Date Extracted: 23-Jul-02
Date Analyzed DB-1: 7-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers	Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-81	ND	0.00992		PCB-124	0.0130	0.00992	
PCB-82	ND	0.00992		PCB-126	ND	0.00992	
PCB-83	ND	0.00992		PCB-127	ND	0.00992	
PCB-84/92	0.0965	0.0198		PCB-128/162	0.130	0.0198	
PCB-85/116	0.0860	0.0198		PCB-129	0.0254	0.00992	
PCB-86	ND	0.00992		PCB-130	0.0622	0.00992	
PCB-87/117/125	0.114	0.0298		PCB-131	ND	0.00992	
PCB-88/91	0.0371	0.0198		PCB-132/161	0.0843	0.0198	
PCB-89	ND	0.00992		PCB-133/142	0.0217	0.0198	
PCB-90/101	0.465	0.0198		PCB-134/143	ND	0.0198	
PCB-93	ND	0.00992		PCB-135	0.0996	0.00992	
PCB-94	ND	0.00992		PCB-136	0.0245	0.00992	
PCB-95/98/102	0.198	0.0298		PCB-137	0.0518	0.00992	
PCB-96	ND	0.00992		PCB-138/163/164	1.06	0.0298	
PCB-97	0.0565	0.00992		PCB-139/149	0.643	0.0198	
PCB-99	0.218	0.00992		PCB-140	ND	0.00992	
PCB-100	ND	0.00992		PCB-141	0.199	0.00992	
PCB-103	ND	0.00992		PCB-144	0.0416	0.00992	
PCB-104	ND	0.00992		PCB-145	ND	0.00992	
PCB-105	0.127	0.00992		PCB-146/165	0.176	0.0198	
PCB-106/118	0.359	0.0198		PCB-147	0.0159	0.00992	
PCB-107/109	0.0257	0.0198		PCB-148	ND	0.00992	
PCB-108/112	ND	0.0198		PCB-150	ND	0.00992	
PCB-110	0.363	0.00992		PCB-151	0.213	0.00992	
PCB-113	ND	0.00992		PCB-152	ND	0.00992	
PCB-114	ND	0.00992		PCB-153	1.38	0.00992	
PCB-111/115	ND	0.0198		PCB-154	ND	0.00992	
PCB-119	ND	0.00992		PCB-155	ND	0.00992	
PCB-120	ND	0.00992		PCB-156	0.0482	0.00992	
PCB-121	ND	0.00992		PCB-157	0.0122	0.00992	
PCB-122	ND	0.00992		PCB-158/160	0.101	0.0198	
PCB-123	ND	0.00992		PCB-159	0.0116	0.00992	

Sample ID: #18 CATSED **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 7-May-02
Time Collected: 1215

Sample Data
Matrix: Tissue
Sample Size: 25.21 g
%Lipids: 4.30

Laboratory Data
Lab Sample: 22514-009 Date Received: 17-Jul-02
QC Batch No.: 3156 Date Extracted: 23-Jul-02
Date Analyzed DB-1: 7-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-166	ND	0.00992	
PCB-167	0.0316	0.00992	
PCB-168	ND	0.00992	
PCB-169	ND	0.00992	
PCB-170	0.213	0.00992	
PCB-171	0.0627	0.00992	
PCB-172	0.0456	0.00992	
PCB-173	ND	0.00992	
PCB-174	0.202	0.00992	
PCB-175	0.0105	0.00992	
PCB-176	0.0127	0.00992	
PCB-177	0.137	0.00992	
PCB-178	0.0629	0.00992	
PCB-179	0.0866	0.00992	
PCB-180	0.572	0.00992	
PCB-181	ND	0.00992	
PCB-182/187	0.380	0.0198	
PCB-183	0.181	0.00992	
PCB-184	ND	0.00992	
PCB-185	0.0278	0.00992	
PCB-186	ND	0.00992	
PCB-188	ND	0.00992	
PCB-189	ND	0.00992	
PCB-190	0.0373	0.00992	
PCB-191	ND	0.00992	
PCB-192	ND	0.00992	
PCB-193	0.0272	0.00992	
PCB-194	0.0858	0.0149	
PCB-195	0.0418	0.0149	
PCB-196/203	0.178	0.0298	
PCB-197	ND	0.0149	
PCB-198	ND	0.0149	
PCB-199	0.166	0.0149	
PCB-200	ND	0.0149	
PCB-201	0.0183	0.0149	
PCB-202	0.0355	0.0149	
PCB-204	ND	0.0149	
PCB-205	ND	0.0149	
PCB-206	0.0329	0.0149	
PCB-207	ND	0.0149	
PCB-208	0.0156	0.0149	
PCB-209	0.0204	0.0149	
Total monoCB	ND	0.00496	
Total diCB	0.00702	0.00496	
Total triCB	0.133	0.00496	B
Total tetraCB	0.635	0.00992	B
Total pentaCB	2.16	0.00992	
Total hexaCB	4.43	0.00992	
Total heptaCB	2.06	0.00992	
Total octaCB	0.538	0.0149	
Total nonaCB	0.0485	0.0149	
Total decaCB	0.0204	0.0149	

Sample ID: #12 CATSED **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 7-May-02
Time Collected: 1215

Sample Data
Matrix: Tissue
Sample Size: 25.09 g
%Lipids: 2.74

Laboratory Data
Lab Sample: 22514-010 Date Received: 17-Jul-02
QC Batch No.: 3156 Date Extracted: 23-Jul-02
Date Analyzed DB-1: 7-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-1	ND	0.00498	
PCB-2	ND	0.00498	
PCB-3	ND	0.00498	
PCB-4/10	ND	0.00996	
PCB-5/8	ND	0.00996	
PCB-6	ND	0.00498	
PCB-7/9	ND	0.00996	
PCB-11	ND	0.00498	
PCB-12/13	ND	0.00996	
PCB-14	ND	0.00498	
PCB-15	ND	0.00498	
PCB-16/32	ND	0.00996	
PCB-17	ND	0.00498	
PCB-18	0.0179	0.00498	B
PCB-19	ND	0.00498	
PCB-20/21/33	ND	0.0149	
PCB-22	0.00849	0.00498	
PCB-23	ND	0.00498	
PCB-24/27	ND	0.00996	
PCB-25	ND	0.00498	
PCB-26	ND	0.00498	
PCB-28	0.0399	0.00498	B
PCB-29	ND	0.00498	
PCB-30	ND	0.00498	
PCB-31	0.0320	0.00498	B
PCB-34	ND	0.00498	
PCB-35	ND	0.00498	
PCB-36	ND	0.00498	
PCB-37	ND	0.00498	
PCB-38	ND	0.00498	
PCB-39	ND	0.00498	
PCB-40	ND	0.00996	

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-41/64/71/72	0.0456	0.0399	
PCB-42/59	ND	0.0199	
PCB-43/49	0.0391	0.0199	
PCB-44	0.0349	0.00996	
PCB-45	ND	0.00996	
PCB-46	ND	0.00996	
PCB-47	0.0217	0.00996	
PCB-48/75	ND	0.0199	
PCB-50	ND	0.00996	
PCB-51	ND	0.00996	
PCB-52/69	0.0930	0.0199	
PCB-53	ND	0.00996	
PCB-54	ND	0.00996	
PCB-55	ND	0.00996	
PCB-56/60	0.0405	0.0199	
PCB-57	ND	0.00996	
PCB-58	ND	0.00996	
PCB-61	ND	0.00996	
PCB-62	ND	0.00996	
PCB-63	ND	0.00996	
PCB-65	ND	0.00996	
PCB-66	0.0747	0.00996	
PCB-67	ND	0.00996	
PCB-68	ND	0.00996	
PCB-70	0.0379	0.00996	B
PCB-73	ND	0.00996	
PCB-74	0.0434	0.00996	
PCB-76	ND	0.00996	
PCB-77	ND	0.00996	
PCB-78	ND	0.00996	
PCB-79	ND	0.00996	
PCB-80	ND	0.00996	

Sample ID: #12 CATSED **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 7-May-02
Time Collected: 1215

Sample Data
Matrix: Tissue
Sample Size: 25.09 g
%Lipids: 2.74

Laboratory Data
Lab Sample: 22514-010 Date Received: 17-Jul-02
QC Batch No.: 3156 Date Extracted: 23-Jul-02
Date Analyzed DB-1: 7-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-81	ND	0.00996	
PCB-82	ND	0.00996	
PCB-83	ND	0.00996	
PCB-84/92	0.0600	0.0199	
PCB-85/116	0.0588	0.0199	
PCB-86	ND	0.00996	
PCB-87/117/125	0.0663	0.0299	
PCB-88/91	ND	0.0199	
PCB-89	ND	0.00996	
PCB-90/101	0.299	0.0199	
PCB-93	ND	0.00996	
PCB-94	ND	0.00996	
PCB-95/98/102	0.121	0.0299	
PCB-96	ND	0.00996	
PCB-97	0.0316	0.00996	
PCB-99	0.149	0.00996	
PCB-100	ND	0.00996	
PCB-103	ND	0.00996	
PCB-104	ND	0.00996	
PCB-105	0.0835	0.00996	
PCB-106/118	0.245	0.0199	
PCB-107/109	ND	0.0199	
PCB-108/112	ND	0.0199	
PCB-110	0.213	0.00996	
PCB-113	ND	0.00996	
PCB-114	ND	0.00996	
PCB-111/115	ND	0.0199	
PCB-119	ND	0.00996	
PCB-120	ND	0.00996	
PCB-121	ND	0.00996	
PCB-122	ND	0.00996	
PCB-123	ND	0.00996	

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-124	ND	0.00996	
PCB-126	ND	0.00996	
PCB-127	ND	0.00996	
PCB-128/162	0.0937	0.0199	
PCB-129	0.0194	0.00996	
PCB-130	0.0409	0.00996	
PCB-131	ND	0.00996	
PCB-132/161	0.0483	0.0199	
PCB-133/142	ND	0.0199	
PCB-134/143	ND	0.0199	
PCB-135	0.0656	0.00996	
PCB-136	0.0132	0.00996	
PCB-137	0.0366	0.00996	
PCB-138/163/164	0.770	0.0299	
PCB-139/149	0.404	0.0199	
PCB-140	ND	0.00996	
PCB-141	0.141	0.00996	
PCB-144	0.0274	0.00996	
PCB-145	ND	0.00996	
PCB-146/165	0.120	0.0199	
PCB-147	0.0107	0.00996	
PCB-148	ND	0.00996	
PCB-150	ND	0.00996	
PCB-151	0.152	0.00996	
PCB-152	ND	0.00996	
PCB-153	0.988	0.00996	
PCB-154	ND	0.00996	
PCB-155	ND	0.00996	
PCB-156	0.0389	0.00996	
PCB-157	ND	0.00996	
PCB-158/160	0.0763	0.0199	
PCB-159	ND	0.00996	

Sample ID: #12 CATSED **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 7-May-02
Time Collected: 1215

Sample Data
Matrix: Tissue
Sample Size: 25.09 g
%Lipids: 2.74

Laboratory Data
Lab Sample: 22514-010 Date Received: 17-Jul-02
QC Batch No.: 3156 Date Extracted: 23-Jul-02
Date Analyzed DB-1: 7-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-166	ND	0.00996	
PCB-167	0.0270	0.00996	
PCB-168	ND	0.00996	
PCB-169	ND	0.00996	
PCB-170	0.165	0.00996	
PCB-171	0.0493	0.00996	
PCB-172	0.0357	0.00996	
PCB-173	ND	0.00996	
PCB-174	0.130	0.00996	
PCB-175	ND	0.00996	
PCB-176	ND	0.00996	
PCB-177	0.0996	0.00996	
PCB-178	0.0445	0.00996	
PCB-179	0.0575	0.00996	
PCB-180	0.447	0.00996	
PCB-181	ND	0.00996	
PCB-182/187	0.288	0.0199	
PCB-183	0.135	0.00996	
PCB-184	ND	0.00996	
PCB-185	0.0195	0.00996	
PCB-186	ND	0.00996	
PCB-188	ND	0.00996	
PCB-189	ND	0.00996	
PCB-190	0.0332	0.00996	
PCB-191	ND	0.00996	
PCB-192	ND	0.00996	
PCB-193	0.0225	0.00996	
PCB-194	0.0718	0.0149	
PCB-195	0.0327	0.0149	
PCB-196/203	0.148	0.0299	
PCB-197	ND	0.0149	
PCB-198	ND	0.0149	
PCB-199	0.138	0.0149	
PCB-200	ND	0.0149	
PCB-201	ND	0.0149	
PCB-202	0.0253	0.0149	
PCB-204	ND	0.0149	
PCB-205	ND	0.0149	
PCB-206	0.0300	0.0149	
PCB-207	ND	0.0149	
PCB-208	ND	0.0149	
PCB-209	0.0176	0.0149	
Total monoCB	ND	0.00498	
Total diCB	ND	0.00498	
Total triCB	0.0982	0.00498	B
Total tetraCB	0.431	0.00996	B
Total pentaCB	1.33	0.00996	
Total hexaCB	3.07	0.00996	
Total heptaCB	1.53	0.00996	
Total octaCB	0.416	0.0149	
Total nonaCB	0.0418	0.0149	
Total decaCB	0.0176	0.0149	

Sample ID: #8 CATREF(A) **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 9-May-02
Time Collected: 1032

Sample Data
Matrix: Tissue
Sample Size: 24.96 g
%Lipids: 5.40

Laboratory Data
Lab Sample: 22514-011 Date Received: 17-Jul-02
QC Batch No.: 3162 Date Extracted: 26-Jul-02
Date Analyzed DB-1: 1-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-1	ND	0.00501	
PCB-2	ND	0.00501	
PCB-3	ND	0.00501	
PCB-4/10	ND	0.0100	
PCB-5/8	ND	0.0100	
PCB-6	ND	0.00501	
PCB-7/9	ND	0.0100	
PCB-11	0.00894	0.00501	B
PCB-12/13	ND	0.0100	
PCB-14	ND	0.00501	
PCB-15	ND	0.00501	
PCB-16/32	0.0150	0.0100	B
PCB-17	0.00866	0.00501	B
PCB-18	0.0251	0.00501	B
PCB-19	ND	0.00501	
PCB-20/21/33	ND	0.0150	
PCB-22	0.0165	0.00501	B
PCB-23	ND	0.00501	
PCB-24/27	ND	0.0100	
PCB-25	ND	0.00501	
PCB-26	0.00837	0.00501	
PCB-28	0.136	0.00501	B
PCB-29	ND	0.00501	
PCB-30	ND	0.00501	
PCB-31	0.0634	0.00501	B
PCB-34	ND	0.00501	
PCB-35	ND	0.00501	
PCB-36	ND	0.00501	
PCB-37	ND	0.00501	
PCB-38	ND	0.00501	
PCB-39	ND	0.00501	
PCB-40	ND	0.0100	
PCB-41/64/71/72	0.158	0.0401	
PCB-42/59	0.0446	0.0200	
PCB-43/49	0.210	0.0200	B
PCB-44	0.112	0.0100	B
PCB-45	ND	0.0100	
PCB-46	ND	0.0100	
PCB-47	0.103	0.0100	
PCB-48/75	ND	0.0200	
PCB-50	ND	0.0100	
PCB-51	ND	0.0100	
PCB-52/69	0.149	0.0200	B
PCB-53	ND	0.0100	
PCB-54	ND	0.0100	
PCB-55	ND	0.0100	
PCB-56/60	0.121	0.0200	
PCB-57	ND	0.0100	
PCB-58	ND	0.0100	
PCB-61	ND	0.0100	
PCB-62	ND	0.0100	
PCB-63	0.0220	0.0100	
PCB-65	ND	0.0100	
PCB-66	0.504	0.0100	B
PCB-67	ND	0.0100	
PCB-68	ND	0.0100	
PCB-70	0.132	0.0100	B
PCB-73	ND	0.0100	
PCB-74	0.274	0.0100	B
PCB-76	ND	0.0100	
PCB-77	ND	0.0100	
PCB-78	ND	0.0100	
PCB-79	0.0179	0.0100	
PCB-80	ND	0.0100	

Sample ID: #8 CATREF(A) **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 9-May-02
Time Collected: 1032

Sample Data
Matrix: Tissue
Sample Size: 24.96 g
%Lipids: 5.40

Laboratory Data
Lab Sample: 22514-011 Date Received: 17-Jul-02
QC Batch No.: 3162 Date Extracted: 26-Jul-02
Date Analyzed DB-1: 1-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-81	0.0132	0.0100	
PCB-82	0.0345	0.0100	
PCB-83	ND	0.0100	
PCB-84/92	0.305	0.0200	
PCB-85/116	0.362	0.0200	
PCB-86	ND	0.0100	
PCB-87/117/125	0.484	0.0300	
PCB-88/91	0.114	0.0200	
PCB-89	ND	0.0100	
PCB-90/101	1.03	0.0200	B
PCB-93	ND	0.0100	
PCB-94	ND	0.0100	
PCB-95/98/102	0.170	0.0300	
PCB-96	ND	0.0100	
PCB-97	0.185	0.0100	
PCB-99	1.16	0.0100	
PCB-100	ND	0.0100	
PCB-103	ND	0.0100	
PCB-104	ND	0.0100	
PCB-105	0.844	0.0100	
PCB-106/118	ND	0.0200	
PCB-107/109	0.176	0.0200	
PCB-108/112	0.0427	0.0200	
PCB-110	1.22	0.0100	B
PCB-113	ND	0.0100	
PCB-114	0.0476	0.0100	
PCB-111/115	0.0641	0.0200	
PCB-119	0.0374	0.0100	
PCB-120	ND	0.0100	
PCB-121	ND	0.0100	
PCB-122	ND	0.0100	
PCB-123	0.0509	0.0100	
PCB-124	0.0185	0.0100	
PCB-126	0.0153	0.0100	
PCB-127	ND	0.0100	
PCB-128/162	0.524	0.0200	
PCB-129	0.107	0.0100	
PCB-130	0.205	0.0100	
PCB-131	ND	0.0100	
PCB-132/161	0.290	0.0200	
PCB-133/142	0.0929	0.0200	
PCB-134/143	0.0601	0.0200	
PCB-135	0.153	0.0100	
PCB-136	0.0152	0.0100	
PCB-137	0.223	0.0100	
PCB-138/163/164	3.84	0.0300	
PCB-139/149	1.20	0.0200	
PCB-140	0.0136	0.0100	
PCB-141	0.477	0.0100	
PCB-144	0.0493	0.0100	
PCB-145	ND	0.0100	
PCB-146/165	0.616	0.0200	
PCB-147	0.0570	0.0100	
PCB-148	ND	0.0100	
PCB-150	ND	0.0100	
PCB-151	0.242	0.0100	
PCB-152	ND	0.0100	
PCB-153	4.79	0.0100	B
PCB-154	0.0333	0.0100	
PCB-155	ND	0.0100	
PCB-156	0.390	0.0100	
PCB-157	0.0868	0.0100	
PCB-158/160	0.409	0.0200	
PCB-159	0.0221	0.0100	

Sample ID: #8 CATREF(A) **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 9-May-02
Time Collected: 1032

Sample Data
Matrix: Tissue
Sample Size: 24.96 g
%Lipids: 5.40

Laboratory Data
Lab Sample: 22514-011 Date Received: 17-Jul-02
QC Batch No.: 3162 Date Extracted: 26-Jul-02
Date Analyzed DB-1: 1-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-166	ND	0.0100	
PCB-167	0.201	0.0100	
PCB-168	ND	0.0100	
PCB-169	ND	0.0100	
PCB-170	0.747	0.0100	
PCB-171	0.145	0.0100	
PCB-172	0.163	0.0100	
PCB-173	ND	0.0100	
PCB-174	0.330	0.0100	
PCB-175	0.0226	0.0100	
PCB-176	0.0122	0.0100	
PCB-177	0.283	0.0100	
PCB-178	0.139	0.0100	
PCB-179	0.0462	0.0100	
PCB-180	2.16	0.0100	
PCB-181	ND	0.0100	
PCB-182/187	1.15	0.0200	
PCB-183	0.419	0.0100	
PCB-184	ND	0.0100	
PCB-185	0.0499	0.0100	
PCB-186	ND	0.0100	
PCB-188	ND	0.0100	
PCB-189	0.0343	0.0100	
PCB-190	0.185	0.0100	
PCB-191	0.0314	0.0100	
PCB-192	ND	0.0100	
PCB-193	0.103	0.0100	
PCB-194	0.423	0.0150	
PCB-195	0.0478	0.0150	
PCB-196/203	0.785	0.300	*
PCB-197	ND	0.150	*
PCB-198	ND	0.150	*
PCB-199	0.728	0.150	
PCB-200	ND	0.150	*
PCB-201	ND	0.150	*
PCB-202	ND	0.150	*
PCB-204	ND	0.150	*
PCB-205	0.0180	0.0150	
PCB-206	0.242	0.0150	
PCB-207	0.0250	0.0150	
PCB-208	0.0601	0.0150	
PCB-209	0.0803	0.0150	
Total monoCB	ND	0.00501	
Total diCB	0.00894	0.00501	B
Total triCB	0.274	0.00501	B
Total tetraCB	1.86	0.0100	B
Total pentaCB	6.36	0.0100	B
Total hexaCB	14.1	0.0100	B
Total heptaCB	6.03	0.0100	
Total octaCB	2.01	0.150	*
Total nonaCB	0.327	0.0150	
Total decaCB	0.0803	0.0150	

Sample ID: #18 CATREF (A) **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 9-May-02
Time Collected: 1054

Sample Data
Matrix: Tissue
Sample Size: 25.26 g
%Lipids: 13.2

Laboratory Data
Lab Sample: 22514-012 Date Received: 17-Jul-02
QC Batch No.: 3162 Date Extracted: 26-Jul-02
Date Analyzed DB-1: 1-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-1	ND	0.00495	
PCB-2	ND	0.00495	
PCB-3	ND	0.00495	
PCB-4/10	ND	0.00990	
PCB-5/8	0.0102	0.00990	
PCB-6	ND	0.00495	
PCB-7/9	ND	0.00990	
PCB-11	0.0125	0.00495	B
PCB-12/13	ND	0.00990	
PCB-14	ND	0.00495	
PCB-15	ND	0.00495	
PCB-16/32	0.0119	0.00990	B
PCB-17	0.0115	0.00495	B
PCB-18	0.0401	0.00495	B
PCB-19	ND	0.00495	
PCB-20/21/33	0.0165	0.0148	B
PCB-22	0.0239	0.00495	B
PCB-23	ND	0.00495	
PCB-24/27	ND	0.00990	
PCB-25	ND	0.00495	
PCB-26	0.00880	0.00495	
PCB-28	0.163	0.00495	B
PCB-29	ND	0.00495	
PCB-30	ND	0.00495	
PCB-31	0.0850	0.00495	B
PCB-34	ND	0.00495	
PCB-35	ND	0.00495	
PCB-36	ND	0.00495	
PCB-37	0.00726	0.00495	B
PCB-38	ND	0.00495	
PCB-39	ND	0.00495	
PCB-40	ND	0.00990	
PCB-41/64/71/72	0.0862	0.0396	
PCB-42/59	0.0365	0.0198	
PCB-43/49	0.193	0.0198	B
PCB-44	0.0510	0.00990	B
PCB-45	ND	0.00990	
PCB-46	ND	0.00990	
PCB-47	0.0787	0.00990	
PCB-48/75	ND	0.0198	
PCB-50	ND	0.00990	
PCB-51	ND	0.00990	
PCB-52/69	0.199	0.0198	B
PCB-53	ND	0.00990	
PCB-54	ND	0.00990	
PCB-55	ND	0.00990	
PCB-56/60	0.0888	0.0198	
PCB-57	ND	0.00990	
PCB-58	ND	0.00990	
PCB-61	ND	0.00990	
PCB-62	ND	0.00990	
PCB-63	0.0140	0.00990	
PCB-65	ND	0.00990	
PCB-66	0.347	0.00990	B
PCB-67	ND	0.00990	
PCB-68	ND	0.00990	
PCB-70	0.0865	0.00990	B
PCB-73	ND	0.00990	
PCB-74	0.189	0.00990	B
PCB-76	ND	0.00990	
PCB-77	0.0111	0.00990	
PCB-78	ND	0.00990	
PCB-79	ND	0.00990	
PCB-80	ND	0.00990	

Sample ID: #18 CATREF (A) **EPA METHOD 1668**

Client Data	Sample Data	Laboratory Data			
Name: Los Alamos National Laboratory	Matrix: Tissue	Lab Sample:	22514-012	Date Received:	17-Jul-02
Project: Rio Grande 2002	Sample Size: 25.26 g	QC Batch No.:	3162	Date Extracted:	26-Jul-02
Date Collected: 9-May-02	%Lipids: 13.2	Date Analyzed DB-1:	1-Aug-02		
Time Collected: 1054					

Analyte	Conc. (ng/g)	RL	Qualifiers	Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-81	ND	0.00990		PCB-124	0.0207	0.00990	
PCB-82	ND	0.00990		PCB-126	ND	0.00990	
PCB-83	ND	0.00990		PCB-127	ND	0.00990	
PCB-84/92	0.185	0.0198		PCB-128/162	0.205	0.0198	
PCB-85/116	0.174	0.0198		PCB-129	0.0183	0.00990	
PCB-86	ND	0.00990		PCB-130	0.0152	0.00990	
PCB-87/117/125	0.0700	0.0297		PCB-131	ND	0.00990	
PCB-88/91	0.0741	0.0198		PCB-132/161	0.0623	0.0198	
PCB-89	ND	0.00990		PCB-133/142	0.0348	0.0198	
PCB-90/101	0.820	0.0198	B	PCB-134/143	ND	0.0198	
PCB-93	ND	0.00990		PCB-135	0.104	0.00990	
PCB-94	ND	0.00990		PCB-136	0.0298	0.00990	
PCB-95/98/102	0.158	0.0297		PCB-137	0.0711	0.00990	
PCB-96	ND	0.00990		PCB-138/163/164	1.44	0.0297	
PCB-97	0.0959	0.00990		PCB-139/149	0.607	0.0198	
PCB-99	0.522	0.00990		PCB-140	ND	0.00990	
PCB-100	ND	0.00990		PCB-141	0.205	0.00990	
PCB-103	ND	0.00990		PCB-144	0.0328	0.00990	
PCB-104	ND	0.00990		PCB-145	ND	0.00990	
PCB-105	0.406	0.00990		PCB-146/165	0.242	0.0198	
PCB-106/118	1.17	0.0198		PCB-147	0.0213	0.00990	
PCB-107/109	0.0392	0.0198		PCB-148	ND	0.00990	
PCB-108/112	ND	0.0198		PCB-150	ND	0.00990	
PCB-110	0.135	0.00990	B	PCB-151	0.193	0.00990	
PCB-113	ND	0.00990		PCB-152	ND	0.00990	
PCB-114	0.0251	0.00990		PCB-153	1.82	0.00990	B
PCB-111/115	0.0312	0.0198		PCB-154	0.0126	0.00990	
PCB-119	0.0174	0.00990		PCB-155	ND	0.00990	
PCB-120	ND	0.00990		PCB-156	0.143	0.00990	
PCB-121	ND	0.00990		PCB-157	0.0333	0.00990	
PCB-122	ND	0.00990		PCB-158/160	0.167	0.0198	
PCB-123	0.0228	0.00990		PCB-159	0.0104	0.00990	

Sample ID: #18 CATREF (A) **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 9-May-02
Time Collected: 1054

Sample Data
Matrix: Tissue
Sample Size: 25.26 g
%Lipids: 13.2

Laboratory Data
Lab Sample: 22514-012 Date Received: 17-Jul-02
QC Batch No.: 3162 Date Extracted: 26-Jul-02
Date Analyzed DB-1: 1-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-166	ND	0.00990	
PCB-167	0.0695	0.00990	
PCB-168	ND	0.00990	
PCB-169	ND	0.00990	
PCB-170	0.284	0.00990	
PCB-171	0.0615	0.00990	
PCB-172	0.0591	0.00990	
PCB-173	ND	0.00990	
PCB-174	0.173	0.00990	
PCB-175	ND	0.00990	
PCB-176	0.0127	0.00990	
PCB-177	0.0559	0.00990	
PCB-178	0.0666	0.00990	
PCB-179	0.0528	0.00990	
PCB-180	0.770	0.00990	
PCB-181	ND	0.00990	
PCB-182/187	0.501	0.0198	
PCB-183	0.161	0.00990	
PCB-184	ND	0.00990	
PCB-185	0.0241	0.00990	
PCB-186	ND	0.00990	
PCB-188	ND	0.00990	
PCB-189	0.0114	0.00990	
PCB-190	0.0617	0.00990	
PCB-191	0.0126	0.00990	
PCB-192	ND	0.00990	
PCB-193	0.0419	0.00990	
PCB-194	0.121	0.0148	
PCB-195	0.0326	0.0148	
PCB-196/203	0.157	0.0297	
PCB-197	ND	0.0148	
PCB-198	ND	0.0148	
PCB-199	0.149	0.0148	
PCB-200	ND	0.0148	
PCB-201	ND	0.0148	
PCB-202	0.0316	0.0148	
PCB-204	ND	0.0148	
PCB-205	ND	0.0148	
PCB-206	0.0580	0.0148	
PCB-207	ND	0.0148	
PCB-208	0.0191	0.0148	
PCB-209	0.0826	0.0148	
Total monoCB	ND	0.00495	
Total diCB	0.0227	0.00495	B
Total triCB	0.368	0.00495	B
Total tetraCB	1.38	0.00990	B
Total pentaCB	3.97	0.00990	B
Total hexaCB	5.53	0.00990	B
Total heptaCB	2.35	0.00990	
Total octaCB	0.492	0.0148	
Total nonaCB	0.0771	0.0148	
Total decaCB	0.0826	0.0148	

Sample ID: #19 CATREF (A) **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 9-May-02
Time Collected: 1145

Sample Data
Matrix: Tissue
Sample Size: 25.31 g
%Lipids: 5.07

Laboratory Data
Lab Sample: 22514-013 Date Received: 17-Jul-02
QC Batch No.: 3162 Date Extracted: 26-Jul-02
Date Analyzed DB-1: 1-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-1	ND	0.00494	
PCB-2	ND	0.00494	
PCB-3	ND	0.00494	
PCB-4/10	ND	0.00988	
PCB-5/8	ND	0.00988	
PCB-6	ND	0.00494	
PCB-7/9	ND	0.00988	
PCB-11	0.00586	0.00494	B
PCB-12/13	ND	0.00988	
PCB-14	ND	0.00494	
PCB-15	ND	0.00494	
PCB-16/32	0.0185	0.00988	B
PCB-17	0.0119	0.00494	B
PCB-18	0.0328	0.00494	B
PCB-19	ND	0.00494	
PCB-20/21/33	0.0163	0.0148	B
PCB-22	0.0228	0.00494	B
PCB-23	ND	0.00494	
PCB-24/27	ND	0.00988	
PCB-25	ND	0.00494	
PCB-26	0.00723	0.00494	
PCB-28	0.0984	0.00494	B
PCB-29	ND	0.00494	
PCB-30	ND	0.00494	
PCB-31	0.0516	0.00494	B
PCB-34	ND	0.00494	
PCB-35	ND	0.00494	
PCB-36	ND	0.00494	
PCB-37	ND	0.00494	
PCB-38	ND	0.00494	
PCB-39	ND	0.00494	
PCB-40	0.00988	0.00988	
PCB-41/64/71/72	0.137	0.0395	
PCB-42/59	0.0446	0.0198	
PCB-43/49	0.170	0.0198	B
PCB-44	0.118	0.00988	B
PCB-45	0.0128	0.00988	
PCB-46	ND	0.00988	
PCB-47	0.0665	0.00988	
PCB-48/75	0.0241	0.0198	
PCB-50	ND	0.00988	
PCB-51	ND	0.00988	
PCB-52/69	0.243	0.0198	B
PCB-53	0.0106	0.00988	
PCB-54	ND	0.00988	
PCB-55	ND	0.00988	
PCB-56/60	0.103	0.0198	
PCB-57	ND	0.00988	
PCB-58	ND	0.00988	
PCB-61	ND	0.00988	
PCB-62	ND	0.00988	
PCB-63	0.0140	0.00988	
PCB-65	ND	0.00988	
PCB-66	0.349	0.00988	B
PCB-67	ND	0.00988	
PCB-68	ND	0.00988	
PCB-70	0.129	0.00988	B
PCB-73	ND	0.00988	
PCB-74	0.173	0.00988	B
PCB-76	ND	0.00988	
PCB-77	ND	0.00988	
PCB-78	ND	0.00988	
PCB-79	0.0144	0.00988	
PCB-80	ND	0.00988	

Sample ID: **#19 CATREF (A)** **EPA METHOD 1668**

Client Data	**Sample Data**	**Laboratory Data**			
Name: Los Alamos National Laboratory	Matrix: Tissue	Lab Sample:	22514-013	Date Received:	17-Jul-02
Project: Rio Grande 2002	Sample Size: 25.31 g	QC Batch No.:	3162	Date Extracted:	26-Jul-02
Date Collected: 9-May-02	%Lipids: 5.07	Date Analyzed DB-1:	1-Aug-02		
Time Collected: 1145					

Analyte	Conc. (ng/g)	RL	Qualifiers	Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-81	0.0151	0.00988		PCB-124	0.0230	0.00988	
PCB-82	0.0583	0.00988		PCB-126	0.0130	0.00988	
PCB-83	ND	0.00988		PCB-127	ND	0.00988	
PCB-84/92	0.325	0.0198		PCB-128/162	0.604	0.0198	
PCB-85/116	0.289	0.0198		PCB-129	0.131	0.00988	
PCB-86	ND	0.00988		PCB-130	0.228	0.00988	
PCB-87/117/125	0.502	0.0296		PCB-131	ND	0.00988	
PCB-88/91	0.120	0.0198		PCB-132/161	0.370	0.0198	
PCB-89	ND	0.00988		PCB-133/142	0.0978	0.0198	
PCB-90/101	1.51	0.0198	B	PCB-134/143	0.0625	0.0198	
PCB-93	ND	0.00988		PCB-135	0.164	0.00988	
PCB-94	ND	0.00988		PCB-136	0.0546	0.00988	
PCB-95/98/102	0.410	0.0296		PCB-137	0.272	0.00988	
PCB-96	ND	0.00988		PCB-138/163/164	4.41	0.0296	
PCB-97	0.257	0.00988		PCB-139/149	1.48	0.0198	
PCB-99	0.973	0.00988		PCB-140	0.0140	0.00988	
PCB-100	ND	0.00988		PCB-141	0.627	0.00988	
PCB-103	ND	0.00988		PCB-144	0.0859	0.00988	
PCB-104	ND	0.00988		PCB-145	ND	0.00988	
PCB-105	0.737	0.00988		PCB-146/165	0.682	0.0198	
PCB-106/118	2.42	0.0198		PCB-147	0.0566	0.00988	
PCB-107/109	0.164	0.0198		PCB-148	ND	0.00988	
PCB-108/112	0.0364	0.0198		PCB-150	ND	0.00988	
PCB-110	1.25	0.00988	B	PCB-151	0.358	0.00988	
PCB-113	ND	0.00988		PCB-152	ND	0.00988	
PCB-114	0.0458	0.00988		PCB-153	5.14	0.00988	B
PCB-111/115	0.0573	0.0198		PCB-154	0.0324	0.00988	
PCB-119	0.0293	0.00988		PCB-155	ND	0.00988	
PCB-120	ND	0.00988		PCB-156	0.415	0.00988	
PCB-121	ND	0.00988		PCB-157	0.0847	0.00988	
PCB-122	ND	0.00988		PCB-158/160	0.493	0.0198	
PCB-123	0.0463	0.00988		PCB-159	0.0289	0.00988	

Sample ID: #19 CATREF (A) **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 9-May-02
Time Collected: 1145

Sample Data
Matrix: Tissue
Sample Size: 25.31 g
%Lipids: 5.07

Laboratory Data
Lab Sample: 22514-013 Date Received: 17-Jul-02
QC Batch No.: 3162 Date Extracted: 26-Jul-02
Date Analyzed DB-1: 1-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-166	0.0179	0.00988	
PCB-167	0.235	0.00988	
PCB-168	ND	0.00988	
PCB-169	ND	0.00988	
PCB-170	0.903	0.00988	
PCB-171	0.208	0.00988	
PCB-172	0.215	0.00988	
PCB-173	ND	0.00988	
PCB-174	0.422	0.00988	
PCB-175	0.0344	0.00988	
PCB-176	0.0343	0.00988	
PCB-177	0.362	0.00988	
PCB-178	0.173	0.00988	
PCB-179	0.100	0.00988	
PCB-180	2.57	0.00988	
PCB-181	ND	0.00988	
PCB-182/187	1.49	0.0198	
PCB-183	0.594	0.00988	
PCB-184	ND	0.00988	
PCB-185	0.0782	0.00988	
PCB-186	ND	0.00988	
PCB-188	ND	0.00988	
PCB-189	0.0331	0.00988	
PCB-190	0.202	0.00988	
PCB-191	0.0390	0.00988	
PCB-192	ND	0.00988	
PCB-193	0.114	0.00988	
PCB-194	0.517	0.0148	
PCB-195	0.0834	0.0148	
PCB-196/203	1.06	0.148	*
PCB-197	ND	0.148	*
PCB-198	ND	0.148	*
PCB-199	0.923	0.148	*
PCB-200	ND	0.148	*
PCB-201	ND	0.148	*
PCB-202	ND	0.148	*
PCB-204	ND	0.148	*
PCB-205	0.0211	0.0148	
PCB-206	0.319	0.0148	
PCB-207	0.0435	0.0148	
PCB-208	0.0889	0.0148	
PCB-209	0.0973	0.0148	
Total monoCB	ND	0.00494	
Total diCB	0.00586	0.00494	B
Total triCB	0.260	0.00494	B
Total tetraCB	1.63	0.00988	B
Total pentaCB	9.27	0.00988	B
Total hexaCB	16.2	0.00988	B
Total heptaCB	7.57	0.00988	
Total octaCB	2.62	0.148	*
Total nonaCB	0.451	0.0148	
Total decaCB	0.0973	0.0148	

Sample ID: #10 CATREF (A) **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 9-May-02
Time Collected: 1145

Sample Data
Matrix: Tissue
Sample Size: 25.6 g
%Lipids: 13.9

Laboratory Data
Lab Sample: 22514-014 Date Received: 17-Jul-02
QC Batch No.: 3162 Date Extracted: 26-Jul-02
Date Analyzed DB-1: 6-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-1	ND	0.00488	
PCB-2	ND	0.00488	
PCB-3	ND	0.00488	
PCB-4/10	ND	0.00977	
PCB-5/8	0.0101	0.00977	
PCB-6	ND	0.00488	
PCB-7/9	ND	0.00977	
PCB-11	0.0137	0.00488	B
PCB-12/13	ND	0.00977	
PCB-14	ND	0.00488	
PCB-15	ND	0.00488	
PCB-16/32	0.0254	0.00977	B
PCB-17	0.0167	0.00488	B
PCB-18	0.0679	0.00488	B
PCB-19	ND	0.00488	
PCB-20/21/33	0.0224	0.0146	B
PCB-22	0.0319	0.00488	B
PCB-23	ND	0.00488	
PCB-24/27	ND	0.00977	
PCB-25	ND	0.00488	
PCB-26	0.0117	0.00488	
PCB-28	0.176	0.00488	B
PCB-29	ND	0.00488	
PCB-30	ND	0.00488	
PCB-31	0.0882	0.00488	B
PCB-34	ND	0.00488	
PCB-35	ND	0.00488	
PCB-36	ND	0.00488	
PCB-37	0.00541	0.00488	B
PCB-38	ND	0.00488	
PCB-39	ND	0.00488	
PCB-40	0.0164	0.00977	
PCB-41/64/71/72	0.174	0.0391	
PCB-42/59	0.100	0.0195	
PCB-43/49	0.243	0.0195	B
PCB-44	0.293	0.00977	B
PCB-45	0.0168	0.00977	
PCB-46	ND	0.00977	
PCB-47	0.0906	0.00977	
PCB-48/75	0.0301	0.0195	
PCB-50	ND	0.00977	
PCB-51	ND	0.00977	
PCB-52/69	0.321	0.0195	B
PCB-53	0.0137	0.00977	
PCB-54	ND	0.00977	
PCB-55	ND	0.00977	
PCB-56/60	0.111	0.0195	
PCB-57	ND	0.00977	
PCB-58	ND	0.00977	
PCB-61	ND	0.00977	
PCB-62	ND	0.00977	
PCB-63	0.0186	0.00977	
PCB-65	ND	0.00977	
PCB-66	0.479	0.00977	B
PCB-67	ND	0.00977	
PCB-68	ND	0.00977	
PCB-70	0.122	0.00977	B
PCB-73	ND	0.00977	
PCB-74	0.229	0.00977	B
PCB-76	ND	0.00977	
PCB-77	ND	0.00977	
PCB-78	ND	0.00977	
PCB-79	0.0133	0.00977	
PCB-80	ND	0.00977	

Sample ID: #10 CATREF (A) **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 9-May-02
Time Collected: 1145

Sample Data
Matrix: Tissue
Sample Size: 25.6 g
%Lipids: 13.9

Laboratory Data
Lab Sample: 22514-014 Date Received: 17-Jul-02
QC Batch No.: 3162 Date Extracted: 26-Jul-02
Date Analyzed DB-1: 6-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-81	0.0143	0.00977	
PCB-82	0.0524	0.00977	
PCB-83	ND	0.00977	
PCB-84/92	0.342	0.0195	
PCB-85/116	0.285	0.0195	
PCB-86	ND	0.00977	
PCB-87/117/125	0.433	0.0293	
PCB-88/91	0.124	0.0195	
PCB-89	ND	0.00977	
PCB-90/101	1.53	0.0195	B
PCB-93	ND	0.00977	
PCB-94	ND	0.00977	
PCB-95/98/102	0.495	0.0293	
PCB-96	ND	0.00977	
PCB-97	0.428	0.00977	
PCB-99	0.911	0.00977	
PCB-100	ND	0.00977	
PCB-103	ND	0.00977	
PCB-104	ND	0.00977	
PCB-105	0.616	0.00977	
PCB-106/118	2.36	0.0195	
PCB-107/109	0.121	0.0195	
PCB-108/112	0.0398	0.0195	
PCB-110	1.38	0.00977	B
PCB-113	ND	0.00977	
PCB-114	0.0348	0.00977	
PCB-111/115	0.0428	0.0195	
PCB-119	0.0275	0.00977	
PCB-120	ND	0.00977	
PCB-121	ND	0.00977	
PCB-122	ND	0.00977	
PCB-123	0.0493	0.00977	
PCB-124	0.0194	0.00977	
PCB-126	0.0123	0.00977	
PCB-127	ND	0.00977	
PCB-128/162	0.369	0.0195	
PCB-129	0.0623	0.00977	
PCB-130	0.146	0.00977	
PCB-131	ND	0.00977	
PCB-132/161	0.346	0.0195	
PCB-133/142	0.0687	0.0195	
PCB-134/143	0.0744	0.0195	
PCB-135	0.169	0.00977	
PCB-136	0.0564	0.00977	
PCB-137	0.124	0.00977	
PCB-138/163/164	3.31	0.0293	
PCB-139/149	1.58	0.0195	
PCB-140	ND	0.00977	
PCB-141	0.274	0.00977	
PCB-144	0.0578	0.00977	
PCB-145	ND	0.00977	
PCB-146/165	0.507	0.0195	
PCB-147	0.0375	0.00977	
PCB-148	ND	0.00977	
PCB-150	ND	0.00977	
PCB-151	0.322	0.00977	
PCB-152	ND	0.00977	
PCB-153	5.19	0.00977	B
PCB-154	0.0239	0.00977	
PCB-155	ND	0.00977	
PCB-156	0.222	0.00977	
PCB-157	0.0428	0.00977	
PCB-158/160	0.293	0.0195	
PCB-159	0.0204	0.00977	

Sample ID: #10 CATREF (A) **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 9-May-02
Time Collected: 1145

Sample Data
Matrix: Tissue
Sample Size: 25.6 g
%Lipids: 13.9

Laboratory Data
Lab Sample: 22514-014 Date Received: 17-Jul-02
QC Batch No.: 3162 Date Extracted: 26-Jul-02
Date Analyzed DB-1: 6-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-166	ND	0.00977	
PCB-167	0.215	0.00977	
PCB-168	ND	0.00977	
PCB-169	ND	0.00977	
PCB-170	0.349	0.00977	
PCB-171	0.119	0.00977	
PCB-172	0.0752	0.00977	
PCB-173	ND	0.00977	
PCB-174	0.237	0.00977	
PCB-175	0.0177	0.00977	
PCB-176	0.0326	0.00977	
PCB-177	0.304	0.00977	
PCB-178	0.132	0.00977	
PCB-179	0.118	0.00977	
PCB-180	1.31	0.00977	
PCB-181	ND	0.00977	
PCB-182/187	1.01	0.0195	
PCB-183	0.326	0.00977	
PCB-184	ND	0.00977	
PCB-185	0.0427	0.00977	
PCB-186	ND	0.00977	
PCB-188	ND	0.00977	
PCB-189	0.0136	0.00977	
PCB-190	0.120	0.00977	
PCB-191	0.0184	0.00977	
PCB-192	ND	0.00977	
PCB-193	0.0618	0.00977	
PCB-194	0.154	0.0146	
PCB-195	0.0628	0.0146	
PCB-196/203	0.312	0.0293	
PCB-197	ND	0.0146	
PCB-198	0.0165	0.0146	
PCB-199	0.228	0.0146	
PCB-200	ND	0.0146	
PCB-201	0.0337	0.0146	
PCB-202	0.0872	0.0146	
PCB-204	ND	0.0146	
PCB-205	ND	0.0146	
PCB-206	0.0881	0.0146	
PCB-207	ND	0.0146	
PCB-208	0.0356	0.0146	
PCB-209	0.0423	0.0146	
Total monoCB	ND	0.00488	
Total diCB	0.0238	0.00488	B
Total triCB	0.445	0.00488	B
Total tetraCB	2.29	0.00977	B
Total pentaCB	9.30	0.00977	B
Total hexaCB	13.5	0.00977	B
Total heptaCB	4.29	0.00977	
Total octaCB	0.894	0.0146	
Total nonaCB	0.124	0.0146	
Total decaCB	0.0423	0.0146	

Sample ID: #21 CATREF (A) **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 9-May-02
Time Collected: 1157

Sample Data
Matrix: Tissue
Sample Size: 25.18 g
%Lipids: 8.52

Laboratory Data
Lab Sample: 22514-015 Date Received: 17-Jul-02
QC Batch No.: 3162 Date Extracted: 26-Jul-02
Date Analyzed DB-1: 6-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-1	ND	0.00496	
PCB-2	ND	0.00496	
PCB-3	ND	0.00496	
PCB-4/10	ND	0.00993	
PCB-5/8	0.0108	0.00993	
PCB-6	ND	0.00496	
PCB-7/9	ND	0.00993	
PCB-11	0.00677	0.00496	B
PCB-12/13	ND	0.00993	
PCB-14	ND	0.00496	
PCB-15	ND	0.00496	
PCB-16/32	0.0158	0.00993	B
PCB-17	0.0102	0.00496	B
PCB-18	0.0191	0.00496	B
PCB-19	ND	0.00496	
PCB-20/21/33	ND	0.0149	B
PCB-22	0.0287	0.00496	B
PCB-23	ND	0.00496	
PCB-24/27	ND	0.00993	
PCB-25	ND	0.00496	
PCB-26	0.00825	0.00496	
PCB-28	0.151	0.00496	B
PCB-29	ND	0.00496	
PCB-30	ND	0.00496	
PCB-31	0.0560	0.00496	B
PCB-34	ND	0.00496	
PCB-35	ND	0.00496	
PCB-36	ND	0.00496	
PCB-37	ND	0.00496	
PCB-38	ND	0.00496	
PCB-39	ND	0.00496	
PCB-40	ND	0.00993	
PCB-41/64/71/72	0.163	0.0397	
PCB-42/59	0.0334	0.0199	
PCB-43/49	0.214	0.0199	B
PCB-44	0.0457	0.00993	B
PCB-45	ND	0.00993	
PCB-46	ND	0.00993	
PCB-47	0.100	0.00993	
PCB-48/75	ND	0.0199	
PCB-50	ND	0.00993	
PCB-51	ND	0.00993	
PCB-52/69	0.184	0.0199	B
PCB-53	ND	0.00993	
PCB-54	ND	0.00993	
PCB-55	ND	0.00993	
PCB-56/60	0.131	0.0199	
PCB-57	ND	0.00993	
PCB-58	ND	0.00993	
PCB-61	ND	0.00993	
PCB-62	ND	0.00993	
PCB-63	0.0224	0.00993	
PCB-65	ND	0.00993	
PCB-66	0.498	0.00993	B
PCB-67	ND	0.00993	
PCB-68	ND	0.00993	
PCB-70	0.133	0.00993	B
PCB-73	ND	0.00993	
PCB-74	ND	0.00993	
PCB-76	ND	0.00993	
PCB-77	ND	0.00993	
PCB-78	ND	0.00993	
PCB-79	0.0182	0.00993	
PCB-80	ND	0.00993	

Sample ID: #21 CATREF (A) **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 9-May-02
Time Collected: 1157

Sample Data
Matrix: Tissue
Sample Size: 25.18 g
%Lipids: 8.52

Laboratory Data
Lab Sample: 22514-015 Date Received: 17-Jul-02
QC Batch No.: 3162 Date Extracted: 26-Jul-02
Date Analyzed DB-1: 6-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers	Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-81	ND	0.00993		PCB-124	0.0280	0.00993	
PCB-82	ND	0.00993		PCB-126	0.0138	0.00993	
PCB-83	ND	0.00993		PCB-127	ND	0.00993	
PCB-84/92	0.359	0.0199		PCB-128/162	0.569	0.0199	
PCB-85/116	0.406	0.0199		PCB-129	0.109	0.00993	
PCB-86	ND	0.00993		PCB-130	0.0899	0.00993	
PCB-87/117/125	0.255	0.0298		PCB-131	ND	0.00993	
PCB-88/91	0.108	0.0199		PCB-132/161	0.0356	0.0199	
PCB-89	ND	0.00993		PCB-133/142	0.0745	0.0199	
PCB-90/101	1.15	0.0199	B	PCB-134/143	ND	0.0199	
PCB-93	ND	0.00993		PCB-135	0.187	0.00993	
PCB-94	ND	0.00993		PCB-136	ND	0.00993	
PCB-95/98/102	0.0959	0.0298		PCB-137	0.233	0.00993	
PCB-96	ND	0.00993		PCB-138/163/164	3.66	0.0298	
PCB-97	0.155	0.00993		PCB-139/149	0.723	0.0199	
PCB-99	1.17	0.00993		PCB-140	0.0128	0.00993	
PCB-100	ND	0.00993		PCB-141	0.550	0.00993	
PCB-103	ND	0.00993		PCB-144	0.0281	0.00993	
PCB-104	ND	0.00993		PCB-145	ND	0.00993	
PCB-105	0.905	0.00993		PCB-146/165	0.588	0.0199	
PCB-106/118	2.79	0.0199		PCB-147	0.0522	0.00993	
PCB-107/109	0.163	0.0199		PCB-148	ND	0.00993	
PCB-108/112	0.0203	0.0199		PCB-150	ND	0.00993	
PCB-110	0.678	0.00993	B	PCB-151	0.349	0.00993	
PCB-113	ND	0.00993		PCB-152	ND	0.00993	
PCB-114	0.0500	0.00993		PCB-153	4.16	0.00993	B
PCB-111/115	0.0593	0.0199		PCB-154	0.0299	0.00993	
PCB-119	0.0370	0.00993		PCB-155	ND	0.00993	
PCB-120	ND	0.00993		PCB-156	0.380	0.00993	
PCB-121	ND	0.00993		PCB-157	0.0825	0.00993	
PCB-122	0.0122	0.00993		PCB-158/160	0.437	0.0199	
PCB-123	0.0545	0.00993		PCB-159	0.0199	0.00993	

Sample ID: #21 CATREF (A) **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 9-May-02
Time Collected: 1157

Sample Data
Matrix: Tissue
Sample Size: 25.18 g
%Lipids: 8.52

Laboratory Data
Lab Sample: 22514-015 Date Received: 17-Jul-02
QC Batch No.: 3162 Date Extracted: 26-Jul-02
Date Analyzed DB-1: 6-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-166	0.0176	0.00993	
PCB-167	0.188	0.00993	
PCB-168	ND	0.00993	
PCB-169	ND	0.00993	
PCB-170	0.623	0.0993	*
PCB-171	0.155	0.0993	*
PCB-172	0.147	0.0993	*
PCB-173	ND	0.0993	*
PCB-174	0.296	0.0993	*
PCB-175	ND	0.0993	*
PCB-176	ND	0.0993	*
PCB-177	ND	0.0993	*
PCB-178	0.130	0.0993	*
PCB-179	ND	0.0993	*
PCB-180	1.62	0.0993	*
PCB-181	ND	0.0993	*
PCB-182/187	0.997	0.199	*
PCB-183	0.391	0.0993	*
PCB-184	ND	0.0993	*
PCB-185	ND	0.0993	*
PCB-186	ND	0.0993	*
PCB-188	ND	0.0993	*
PCB-189	ND	0.0993	*
PCB-190	0.140	0.0993	*
PCB-191	ND	0.0993	*
PCB-192	ND	0.0993	*
PCB-193	ND	0.0993	*
PCB-194	0.282	0.149	*
PCB-195	ND	0.149	*
PCB-196/203	0.450	0.298	*
PCB-197	ND	0.149	*
PCB-198	ND	0.149	*
PCB-199	0.424	0.149	*
PCB-200	ND	0.149	*
PCB-201	ND	0.149	*
PCB-202	ND	0.149	*
PCB-204	ND	0.149	*
PCB-205	ND	0.149	*
PCB-206	ND	0.149	*
PCB-207	ND	0.149	*
PCB-208	ND	0.149	*
PCB-209	ND	0.149	*
Total monoCB	ND	0.00496	
Total diCB	0.0175	0.00496	B
Total triCB	0.289	0.00496	B
Total tetraCB	1.55	0.00993	B
Total pentaCB	8.51	0.00993	B
Total hexaCB	12.6	0.00993	B
Total heptaCB	4.50	0.0993	*
Total octaCB	1.16	0.149	*
Total nonaCB	ND	0.149	*
Total decaCB	ND	0.149	*

Sample ID: **RGTRTCARP1** **EPA METHOD 1668**

Client Data

Name: Los Alamos National Laboratory
Project: NA
Date Collected: 2-May-02
Time Collected: 0915

Sample Data

Matrix: Tissue
Sample Size: 10.06 g
%Lipids: 1.08

Laboratory Data

Lab Sample: 22807-001 Date Received: 12-Sep-02
QC Batch No.: 3337 Date Extracted: 24-Sep-02
Date Analyzed DB-1: 1-Oct-02 TEQ(WHO-Mammal) : 1.19

Analyte	Conc. (pg/g)	RL	MDL	Qualifiers
PCB-1	2.96	2.48	3.05	*
PCB-2	ND	2.48	0.989	
PCB-3	ND	2.48	1.02	
PCB-4/10	ND	3.78	2.26	
PCB-5/8	ND	11.6	2.83	
PCB-6	ND	2.77	1.01	
PCB-7/9	ND	2.84	1.89	
PCB-11	ND	24.8	8.88	
PCB-12/13	ND	27.2	2.99	
PCB-14	ND	3.01	1.72	
PCB-15	ND	2.72	0.986	
PCB-16/32	ND	11.2	7.93	
PCB-17	ND	5.08	5.13	
PCB-18	21.7	2.48	6.77	
PCB-19	ND	2.48	2.00	
PCB-20/21/33	15.2	2.48	7.05	
PCB-22	16.5	2.48	2.43	
PCB-23	ND	2.48	0.547	
PCB-24/27	ND	2.48	1.24	
PCB-25	ND	3.81	0.580	
PCB-26	8.12	2.48	0.856	
PCB-28	62.4	2.48	5.70	
PCB-29	ND	2.48	0.712	
PCB-30	ND	2.48	0.509	
PCB-31	51.6	2.48	6.05	
PCB-34	ND	2.48	1.18	
PCB-35	ND	2.48	0.384	
PCB-36	ND	2.48	0.448	
PCB-37	7.99	2.48	1.47	
PCB-38	ND	2.48	0.462	
PCB-39	ND	2.48	0.407	
PCB-40	8.83	4.96	2.06	*

Analyte	Conc. (pg/g)	RL	MDL	Qualifiers
PCB-41/64/71/72	95.8	4.96	8.73	
PCB-42/59	25.2	4.96	3.93	
PCB-43/49	133	4.96	9.57	
PCB-44	112	4.96	6.02	
PCB-45	5.97	4.96	1.76	*
PCB-46	ND	4.96	2.09	
PCB-47	43.9	4.96	3.99	
PCB-48/75	9.90	4.96	3.72	*
PCB-50	ND	4.96	0.583	
PCB-51	ND	4.96	2.70	
PCB-52/69	248	4.96	9.91	
PCB-53	6.26	4.96	5.13	*
PCB-54	ND	4.96	0.858	
PCB-55	ND	4.96	2.05	
PCB-56/60	102	4.96	4.05	
PCB-57	ND	4.96	1.71	
PCB-58	ND	4.96	1.62	
PCB-61	ND	4.96	2.04	
PCB-62	ND	4.96	1.48	
PCB-63	10.2	4.96	1.75	*
PCB-65	ND	4.96	1.79	
PCB-66	218	4.96	4.39	
PCB-67	ND	4.96	1.95	
PCB-68	ND	4.96	1.74	
PCB-70	325	4.96	4.68	
PCB-73	ND	4.96	1.44	
PCB-74	144	4.96	3.17	
PCB-76	ND	4.96	2.03	
PCB-77	27.2	4.96	1.48	
PCB-78	ND	4.96	1.44	
PCB-79	ND	4.96	2.06	
PCB-80	ND	4.96	1.73	

Sample ID: **RGTRTCARP1** **EPA METHOD 1668**

Client Data

Name: Los Alamos National Laboratory
Project: NA
Date Collected: 2-May-02
Time Collected: 0915

Sample Data

Matrix: Tissue
Sample Size: 10.06 g
%Lipids: 1.08

Laboratory Data

Lab Sample: 22807-001 Date Received: 12-Sep-02
QC Batch No.: 3337 Date Extracted: 24-Sep-02
Date Analyzed DB-1: 1-Oct-02 TEQ(WHO-Mammal) : 1.19

Analyte	Conc. (pg/g)	RL	MDL	Qualifiers
PCB-81	17.5	4.96	2.11	
PCB-82	105	4.96	0.798	
PCB-83	ND	4.96	0.645	
PCB-84/92	387	4.96	1.15	
PCB-85/116	261	4.96	0.974	
PCB-86	ND	4.96	1.51	
PCB-87/117/125	554	4.96	1.74	
PCB-88/91	138	4.96	1.22	
PCB-89	ND	4.96	0.711	
PCB-90/101	1690	4.96	3.17	
PCB-93	ND	4.96	1.69	
PCB-94	ND	4.96	0.758	
PCB-95/98/102	551	4.96	3.18	
PCB-96	ND	4.96	0.562	
PCB-97	449	4.96	0.808	
PCB-99	752	4.96	1.64	
PCB-100	ND	4.96	0.559	
PCB-103	ND	4.96	0.729	
PCB-104	ND	4.96	0.592	
PCB-105	679	4.96	1.90	
PCB-106/118	1750	4.96	3.61	
PCB-107/109	107	4.96	1.20	
PCB-108/112	53.5	4.96	1.27	
PCB-110	1350	4.96	1.81	
PCB-113	ND	4.96	0.804	
PCB-114	34.9	4.96	0.649	
PCB-111/115	34.3	4.96	1.52	
PCB-119	24.5	4.96	0.531	
PCB-120	ND	4.96	1.10	
PCB-121	ND	4.96	0.814	
PCB-122	7.32	4.96	0.494	*
PCB-123	35.9	4.96	0.716	
PCB-124	64.8	4.96	0.845	
PCB-126	7.75	4.96	0.982	*
PCB-127	ND	4.96	0.990	
PCB-128/162	352	4.96	2.72	
PCB-129	130	4.96	0.549	
PCB-130	182	4.96	1.05	
PCB-131	ND	4.96	3.77	
PCB-132/161	424	4.96	3.06	
PCB-133/142	50.3	4.96	7.36	
PCB-134/143	74.0	4.96	6.40	
PCB-135	163	4.96	1.56	
PCB-136	111	4.96	1.38	
PCB-137	145	4.96	1.13	
PCB-138/163/164	2260	4.96	7.05	
PCB-139/149	1200	4.96	6.01	
PCB-140	8.51	4.96	3.74	*
PCB-141	395	4.96	1.74	
PCB-144	75.2	4.96	1.06	
PCB-145	ND	4.96	0.950	
PCB-146/165	336	4.96	1.64	
PCB-147	37.6	4.96	2.01	
PCB-148	ND	4.96	1.27	
PCB-150	ND	4.96	1.26	
PCB-151	257	4.96	1.41	
PCB-152	ND	4.96	1.05	
PCB-153	2310	4.96	5.63	B
PCB-154	14.7	4.96	1.07	
PCB-155	ND	4.96	0.504	
PCB-156	240	4.96	1.19	
PCB-157	50.2	4.96	1.10	
PCB-158/160	305	4.96	2.29	
PCB-159	10.9	4.96	1.21	*

Sample ID: **RGTRTCARP1** **EPA METHOD 1668**

Client Data

Name: Los Alamos National Laboratory
Project: NA
Date Collected: 2-May-02
Time Collected: 0915

Sample Data

Matrix: Tissue
Sample Size: 10.06 g
%Lipids: 1.08

Laboratory Data

Lab Sample: 22807-001 Date Received: 12-Sep-02
QC Batch No.: 3337 Date Extracted: 24-Sep-02
Date Analyzed DB-1: 1-Oct-02 TEQ(WHO-Mammal) : 1.19

Analyte	Conc. (pg/g)	RL	MDL	Qualifiers
PCB-166	9.70	4.96	0.823	*
PCB-167	103	4.96	0.814	
PCB-168	ND	4.96	0.560	
PCB-169	ND	4.96	0.921	
PCB-170	325	4.96	2.06	
PCB-171	83.2	4.96	0.505	
PCB-172	64.3	4.96	0.427	
PCB-173	6.44	4.96	0.923	*
PCB-174	217	4.96	1.95	
PCB-175	13.3	4.96	0.902	
PCB-176	25.3	4.96	0.404	
PCB-177	165	4.96	0.528	
PCB-178	62.8	4.96	0.692	
PCB-179	71.2	4.96	0.508	
PCB-180	753	4.96	2.46	B
PCB-181	ND	4.96	0.693	
PCB-182/187	452	4.96	1.87	
PCB-183	208	4.96	1.33	
PCB-184	ND	4.96	0.488	
PCB-185	34.1	4.96	0.805	
PCB-186	ND	4.96	0.373	
PCB-188	ND	4.96	4.55	
PCB-189	12.8	4.96	0.452	
PCB-190	67.2	4.96	0.762	
PCB-191	14.3	4.96	0.778	
PCB-192	ND	4.96	0.684	
PCB-193	38.3	4.96	0.471	
PCB-194	111	7.44	1.12	
PCB-195	43.3	7.44	1.72	
PCB-196/203	187	7.44	2.88	
PCB-197	ND	7.44	0.832	
PCB-198	9.19	7.44	1.70	*

Analyte	Conc. (pg/g)	RL	MDL	Qualifiers
PCB-199	168	7.44	1.14	
PCB-200	12.7	7.44	0.894	*
PCB-201	16.1	7.44	1.04	*
PCB-202	28.2	7.44	0.693	
PCB-204	ND	7.44	0.876	
PCB-205	ND	7.44	0.717	
PCB-206	55.5	7.44	1.87	
PCB-207	9.25	7.44	1.06	*
PCB-208	19.1	7.44	1.10	
PCB-209	25.3	7.44	0.935	
Total monoCB	2.96	2.48		
Total diCB	ND	2.48		
Total triCB	184	2.48		
Total tetraCB	1530	4.96		
Total pentaCB	9130	4.96		
Total hexaCB	9270	4.96		B
Total heptaCB	2610	4.96		B
Total octaCB	576	7.44		
Total nonaCB	84.3	7.44		
Total decaCB	25.3	7.44		

Sample ID: **RGTRTCARP2** **EPA METHOD 1668**

Client Data

Name: Los Alamos National Laboratory
Project: NA
Date Collected: 2-May-02
Time Collected: 0945

Sample Data

Matrix: Tissue
Sample Size: 10.52 g
%Lipids: 2.76

Laboratory Data

Lab Sample: 22807-002 Date Received: 12-Sep-02
QC Batch No.: 3337 Date Extracted: 24-Sep-02
Date Analyzed DB-1: 1-Oct-02 TEQ(WHO-Mammal) : 3.89

Analyte	Conc. (pg/g)	RL	MDL	Qualifiers
PCB-1	ND	2.38	3.05	
PCB-2	ND	2.38	0.989	
PCB-3	ND	2.38	1.02	
PCB-4/10	ND	2.38	2.26	
PCB-5/8	ND	8.16	2.83	
PCB-6	ND	2.38	1.01	
PCB-7/9	ND	2.38	1.89	
PCB-11	ND	17.7	8.88	
PCB-12/13	ND	2.38	2.99	
PCB-14	ND	2.38	1.72	
PCB-15	ND	2.38	0.986	
PCB-16/32	17.7	2.38	7.93	
PCB-17	8.34	2.38	5.13	
PCB-18	36.4	2.38	6.77	
PCB-19	ND	2.38	2.00	
PCB-20/21/33	24.6	2.38	7.05	
PCB-22	25.0	2.38	2.43	
PCB-23	ND	2.38	0.547	
PCB-24/27	ND	2.38	1.24	
PCB-25	ND	4.70	0.580	
PCB-26	12.9	2.38	0.856	
PCB-28	91.8	2.38	5.70	
PCB-29	ND	2.38	0.712	
PCB-30	ND	2.38	0.509	
PCB-31	79.8	2.38	6.05	
PCB-34	ND	2.38	1.18	
PCB-35	ND	2.38	0.384	
PCB-36	ND	2.38	0.448	
PCB-37	7.73	2.38	1.47	
PCB-38	ND	2.38	0.462	
PCB-39	ND	2.38	0.407	
PCB-40	35.2	4.76	2.06	

Analyte	Conc. (pg/g)	RL	MDL	Qualifiers
PCB-41/64/71/72	270	4.76	8.73	
PCB-42/59	79.9	4.76	3.93	
PCB-43/49	601	4.76	9.57	
PCB-44	765	4.76	6.02	
PCB-45	14.6	4.76	1.76	
PCB-46	ND	4.76	2.09	
PCB-47	115	4.76	3.99	
PCB-48/75	43.0	4.76	3.72	
PCB-50	ND	4.76	0.583	
PCB-51	5.54	4.76	2.70	*
PCB-52/69	1730	4.76	9.91	
PCB-53	26.3	4.76	5.13	
PCB-54	ND	4.76	0.858	
PCB-55	20.3	4.76	2.05	
PCB-56/60	371	4.76	4.05	
PCB-57	ND	4.76	1.71	
PCB-58	ND	4.76	1.62	
PCB-61	ND	4.76	2.04	
PCB-62	ND	4.76	1.48	
PCB-63	32.7	4.76	1.75	
PCB-65	ND	4.76	1.79	
PCB-66	752	4.76	4.39	
PCB-67	4.84	4.76	1.95	*
PCB-68	ND	4.76	1.74	
PCB-70	1750	4.76	4.68	
PCB-73	ND	4.76	1.44	
PCB-74	552	4.76	3.17	
PCB-76	ND	4.76	2.03	
PCB-77	75.7	4.76	1.48	
PCB-78	ND	4.76	1.44	
PCB-79	ND	4.76	2.06	
PCB-80	ND	4.76	1.73	

Sample ID: **RGTRTCARP2** **EPA METHOD 1668**

Client Data

Name: Los Alamos National Laboratory
Project: NA
Date Collected: 2-May-02
Time Collected: 0945

Sample Data

Matrix: Tissue
Sample Size: 10.52 g
%Lipids: 2.76

Laboratory Data

Lab Sample: 22807-002 Date Received: 12-Sep-02
QC Batch No.: 3337 Date Extracted: 24-Sep-02
Date Analyzed DB-1: 1-Oct-02 TEQ(WHO-Mammal) : 3.89

Analyte	Conc. (pg/g)	RL	MDL	Qualifiers
PCB-81	80.6	4.76	2.11	
PCB-82	586	4.76	0.798	
PCB-83	ND	4.76	0.645	
PCB-84/92	2090	4.76	1.15	
PCB-85/116	1050	4.76	0.974	
PCB-86	ND	4.76	1.51	
PCB-87/117/125	2530	4.76	1.74	
PCB-88/91	670	4.76	1.22	
PCB-89	27.6	4.76	0.711	
PCB-90/101	7050	4.76	3.17	
PCB-93	ND	4.76	1.69	
PCB-94	11.6	4.76	0.758	
PCB-95/98/102	3290	4.76	3.18	
PCB-96	13.0	4.76	0.562	
PCB-97	2090	4.76	0.808	
PCB-99	2870	4.76	1.64	
PCB-100	9.03	4.76	0.559	*
PCB-103	21.2	4.76	0.729	
PCB-104	ND	4.76	0.592	
PCB-105	2810	4.76	1.90	
PCB-106/118	6740	4.76	3.61	
PCB-107/109	380	4.76	1.20	
PCB-108/112	251	4.76	1.27	
PCB-110	6360	4.76	1.81	
PCB-113	ND	4.76	0.804	
PCB-114	200	4.76	0.649	
PCB-111/115	136	4.76	1.52	
PCB-119	87.3	4.76	0.531	
PCB-120	7.25	4.76	1.10	*
PCB-121	ND	4.76	0.814	
PCB-122	80.1	4.76	0.494	
PCB-123	105	4.76	0.716	
PCB-124	261	4.76	0.845	
PCB-126	22.9	4.76	0.982	
PCB-127	ND	4.76	0.990	
PCB-128/162	1290	4.76	2.72	
PCB-129	530	4.76	0.549	
PCB-130	588	4.76	1.05	
PCB-131	ND	4.76	3.77	
PCB-132/161	1920	4.76	3.06	
PCB-133/142	194	4.76	7.36	
PCB-134/143	319	4.76	6.40	
PCB-135	584	4.76	1.56	
PCB-136	513	4.76	1.38	
PCB-137	587	4.76	1.13	
PCB-138/163/164	7510	4.76	7.05	
PCB-139/149	4250	4.76	6.01	
PCB-140	32.3	4.76	3.74	
PCB-141	1330	4.76	1.74	
PCB-144	281	4.76	1.06	
PCB-145	ND	4.76	0.950	
PCB-146/165	1020	4.76	1.64	
PCB-147	147	4.76	2.01	
PCB-148	ND	4.76	1.27	
PCB-150	5.43	4.76	1.26	*
PCB-151	876	4.76	1.41	
PCB-152	4.86	4.76	1.05	*
PCB-153	6630	4.76	5.63	B
PCB-154	44.2	4.76	1.07	
PCB-155	ND	4.76	0.504	
PCB-156	840	4.76	1.19	
PCB-157	185	4.76	1.10	
PCB-158/160	1080	4.76	2.29	
PCB-159	30.2	4.76	1.21	

Sample ID: **RGTRTCARP2** **EPA METHOD 1668**

Client Data

Name: Los Alamos National Laboratory
Project: NA
Date Collected: 2-May-02
Time Collected: 0945

Sample Data

Matrix: Tissue
Sample Size: 10.52 g
%Lipids: 2.76

Laboratory Data

Lab Sample: 22807-002 Date Received: 12-Sep-02
QC Batch No.: 3337 Date Extracted: 24-Sep-02
Date Analyzed DB-1: 1-Oct-02 TEQ(WHO-Mammal) : 3.89

Analyte	Conc. (pg/g)	RL	MDL	Qualifiers
PCB-166	39.5	4.76	0.823	
PCB-167	339	4.76	0.814	
PCB-168	14.5	4.76	0.560	
PCB-169	ND	4.76	0.921	
PCB-170	864	4.76	2.06	
PCB-171	231	4.76	0.505	
PCB-172	160	4.76	0.427	
PCB-173	21.9	4.76	0.923	
PCB-174	542	4.76	1.95	
PCB-175	34.6	4.76	0.902	
PCB-176	72.0	4.76	0.404	
PCB-177	434	4.76	0.528	
PCB-178	149	4.76	0.692	
PCB-179	179	4.76	0.508	
PCB-180	1760	4.76	2.46	B
PCB-181	16.3	4.76	0.693	
PCB-182/187	1130	4.76	1.87	
PCB-183	497	4.76	1.33	
PCB-184	ND	4.76	0.488	
PCB-185	74.9	4.76	0.805	
PCB-186	ND	4.76	0.373	
PCB-188	ND	4.76	4.55	
PCB-189	30.8	4.76	0.452	
PCB-190	166	4.76	0.762	
PCB-191	37.3	4.76	0.778	
PCB-192	ND	4.76	0.684	
PCB-193	93.2	4.76	0.471	
PCB-194	240	7.14	1.12	
PCB-195	97.1	7.14	1.72	
PCB-196/203	408	7.14	2.88	
PCB-197	13.0	7.14	0.832	*
PCB-198	17.0	7.14	1.70	*
PCB-199	394	7.14	1.14	
PCB-200	28.2	7.14	0.894	
PCB-201	38.0	7.14	1.04	
PCB-202	59.6	7.14	0.693	
PCB-204	ND	7.14	0.876	
PCB-205	11.7	7.14	0.717	*
PCB-206	127	7.14	1.87	
PCB-207	20.5	7.14	1.06	
PCB-208	40.9	7.14	1.10	
PCB-209	58.1	7.14	0.935	
Total monoCB	ND	2.38		
Total diCB	ND	2.38		
Total triCB	304	2.38		
Total tetraCB	7550	4.76		
Total pentaCB	39800	4.76		
Total hexaCB	31200	4.76		B
Total heptaCB	6490	4.76		B
Total octaCB	1310	7.14		
Total nonaCB	189	7.14		
Total decaCB	58.1	7.14		

Sample ID: **RGTRTCARP3** **EPA METHOD 1668**

Client Data

Name: Los Alamos National Laboratory
Project: NA
Date Collected: 2-May-02
Time Collected: 1020

Sample Data

Matrix: Tissue
Sample Size: 10.1 g
%Lipids: 0.149

Laboratory Data

Lab Sample: 22807-003 Date Received: 12-Sep-02
QC Batch No.: 3337 Date Extracted: 24-Sep-02
Date Analyzed DB-1: 1-Oct-02 TEQ(WHO-Mammal) : 0.227

Analyte	Conc. (pg/g)	RL	MDL	Qualifiers
PCB-1	ND	2.48	3.05	
PCB-2	ND	2.48	0.989	
PCB-3	ND	2.48	1.02	
PCB-4/10	ND	3.04	2.26	
PCB-5/8	ND	9.13	2.83	
PCB-6	ND	2.48	1.01	
PCB-7/9	ND	2.48	1.89	
PCB-11	ND	14.2	8.88	
PCB-12/13	ND	2.48	2.99	
PCB-14	ND	2.48	1.72	
PCB-15	ND	2.48	0.986	
PCB-16/32	ND	24.8	7.93	
PCB-17	ND	2.48	5.13	
PCB-18	11.2	2.48	6.77	
PCB-19	ND	2.48	2.00	
PCB-20/21/33	9.33	2.48	7.05	
PCB-22	7.79	2.48	2.43	
PCB-23	ND	2.48	0.547	
PCB-24/27	ND	2.48	1.24	
PCB-25	ND	2.48	0.580	
PCB-26	ND	2.48	0.856	
PCB-28	19.5	2.48	5.70	
PCB-29	ND	2.48	0.712	
PCB-30	ND	2.48	0.509	
PCB-31	19.8	2.48	6.05	
PCB-34	ND	2.48	1.18	
PCB-35	ND	2.48	0.384	
PCB-36	ND	2.48	0.448	
PCB-37	ND	3.56	1.47	
PCB-38	ND	2.48	0.462	
PCB-39	ND	2.48	0.407	
PCB-40	ND	4.96	2.06	
PCB-41/64/71/72	25.9	4.96	8.73	
PCB-42/59	6.99	4.96	3.93	*
PCB-43/49	32.2	4.96	9.57	
PCB-44	24.3	4.96	6.02	
PCB-45	ND	4.96	1.76	
PCB-46	ND	4.96	2.09	
PCB-47	16.5	4.96	3.99	
PCB-48/75	ND	4.96	3.72	
PCB-50	ND	4.96	0.583	
PCB-51	ND	4.96	2.70	
PCB-52/69	50.2	4.96	9.91	
PCB-53	ND	4.96	5.13	
PCB-54	ND	4.96	0.858	
PCB-55	ND	4.96	2.05	
PCB-56/60	26.6	4.96	4.05	
PCB-57	ND	4.96	1.71	
PCB-58	ND	4.96	1.62	
PCB-61	ND	4.96	2.04	
PCB-62	ND	4.96	1.48	
PCB-63	ND	4.96	1.75	
PCB-65	ND	4.96	1.79	
PCB-66	63.8	4.96	4.39	
PCB-67	ND	4.96	1.95	
PCB-68	ND	4.96	1.74	
PCB-70	83.0	4.96	4.68	
PCB-73	ND	4.96	1.44	
PCB-74	45.4	4.96	3.17	
PCB-76	ND	4.96	2.03	
PCB-77	7.82	4.96	1.48	*
PCB-78	ND	4.96	1.44	
PCB-79	ND	4.96	2.06	
PCB-80	ND	4.96	1.73	

Sample ID: **RGTRTCARP3** **EPA METHOD 1668**

Client Data

Name: Los Alamos National Laboratory
Project: NA
Date Collected: 2-May-02
Time Collected: 1020

Sample Data

Matrix: Tissue
Sample Size: 10.1 g
%Lipids: 0.149

Laboratory Data

Lab Sample: 22807-003 Date Received: 12-Sep-02
QC Batch No.: 3337 Date Extracted: 24-Sep-02
Date Analyzed DB-1: 1-Oct-02 TEQ(WHO-Mammal) : 0.227

Analyte	Conc. (pg/g)	RL	MDL	Qualifiers
PCB-81	5.92	4.96	2.11	*
PCB-82	33.5	4.96	0.798	
PCB-83	ND	4.96	0.645	
PCB-84/92	136	4.96	1.15	
PCB-85/116	118	4.96	0.974	
PCB-86	ND	4.96	1.51	
PCB-87/117/125	211	4.96	1.74	
PCB-88/91	44.7	4.96	1.22	
PCB-89	ND	4.96	0.711	
PCB-90/101	766	4.96	3.17	
PCB-93	ND	4.96	1.69	
PCB-94	ND	4.96	0.758	
PCB-95/98/102	146	4.96	3.18	
PCB-96	ND	4.96	0.562	
PCB-97	192	4.96	0.808	
PCB-99	374	4.96	1.64	
PCB-100	ND	4.96	0.559	
PCB-103	ND	4.96	0.729	
PCB-104	ND	4.96	0.592	
PCB-105	278	4.96	1.90	
PCB-106/118	946	4.96	3.61	
PCB-107/109	60.6	4.96	1.20	
PCB-108/112	21.1	4.96	1.27	
PCB-110	439	4.96	1.81	
PCB-113	ND	4.96	0.804	
PCB-114	23.0	4.96	0.649	
PCB-111/115	18.6	4.96	1.52	
PCB-119	12.9	4.96	0.531	
PCB-120	ND	4.96	1.10	
PCB-121	ND	4.96	0.814	
PCB-122	ND	4.96	0.494	
PCB-123	14.6	4.96	0.716	
PCB-124	29.9	4.96	0.845	
PCB-126	ND	4.96	0.982	
PCB-127	ND	4.96	0.990	
PCB-128/162	212	4.96	2.72	
PCB-129	73.1	4.96	0.549	
PCB-130	114	4.96	1.05	
PCB-131	ND	4.96	3.77	
PCB-132/161	162	4.96	3.06	
PCB-133/142	34.6	4.96	7.36	
PCB-134/143	37.7	4.96	6.40	
PCB-135	61.7	4.96	1.56	
PCB-136	41.2	4.96	1.38	
PCB-137	96.4	4.96	1.13	
PCB-138/163/164	1550	4.96	7.05	
PCB-139/149	628	4.96	6.01	
PCB-140	6.67	4.96	3.74	*
PCB-141	228	4.96	1.74	
PCB-144	49.1	4.96	1.06	
PCB-145	ND	4.96	0.950	
PCB-146/165	255	4.96	1.64	
PCB-147	29.0	4.96	2.01	
PCB-148	ND	4.96	1.27	
PCB-150	ND	4.96	1.26	
PCB-151	159	4.96	1.41	
PCB-152	ND	4.96	1.05	
PCB-153	1720	4.96	5.63	B
PCB-154	10.7	4.96	1.07	*
PCB-155	ND	4.96	0.504	
PCB-156	152	4.96	1.19	
PCB-157	25.2	4.96	1.10	
PCB-158/160	205	4.96	2.29	
PCB-159	12.2	4.96	1.21	*

Sample ID: **RGTRTCARP3** **EPA METHOD 1668**

Client Data

Name: Los Alamos National Laboratory
Project: NA
Date Collected: 2-May-02
Time Collected: 1020

Sample Data

Matrix: Tissue
Sample Size: 10.1 g
%Lipids: 0.149

Laboratory Data

Lab Sample: 22807-003 Date Received: 12-Sep-02
QC Batch No.: 3337 Date Extracted: 24-Sep-02
Date Analyzed DB-1: 1-Oct-02 TEQ(WHO-Mammal) : 0.227

Analyte	Conc. (pg/g)	RL	MDL	Qualifiers
PCB-166	7.76	4.96	0.823	*
PCB-167	82.1	4.96	0.814	
PCB-168	ND	4.96	0.560	
PCB-169	ND	4.96	0.921	
PCB-170	278	4.96	2.06	
PCB-171	67.1	4.96	0.505	
PCB-172	60.2	4.96	0.427	
PCB-173	ND	4.96	0.923	
PCB-174	129	4.96	1.95	
PCB-175	11.5	4.96	0.902	*
PCB-176	17.1	4.96	0.404	
PCB-177	143	4.96	0.528	
PCB-178	51.8	4.96	0.692	
PCB-179	42.5	4.96	0.508	
PCB-180	730	4.96	2.46	B
PCB-181	ND	4.96	0.693	
PCB-182/187	511	4.96	1.87	
PCB-183	189	4.96	1.33	
PCB-184	ND	4.96	0.488	
PCB-185	25.4	4.96	0.805	
PCB-186	ND	4.96	0.373	
PCB-188	ND	4.96	4.55	
PCB-189	12.3	4.96	0.452	*
PCB-190	60.7	4.96	0.762	
PCB-191	13.5	4.96	0.778	
PCB-192	ND	4.96	0.684	
PCB-193	39.2	4.96	0.471	
PCB-194	131	7.44	1.12	
PCB-195	47.8	7.44	1.72	
PCB-196/203	205	7.44	2.88	
PCB-197	ND	7.44	0.832	
PCB-198	9.64	7.44	1.70	*

Analyte	Conc. (pg/g)	RL	MDL	Qualifiers
PCB-199	196	7.44	1.14	
PCB-200	11.4	7.44	0.894	*
PCB-201	15.9	7.44	1.04	*
PCB-202	27.0	7.44	0.693	
PCB-204	ND	7.44	0.876	
PCB-205	ND	7.44	0.717	
PCB-206	70.2	7.44	1.87	
PCB-207	10.5	7.44	1.06	*
PCB-208	21.8	7.44	1.10	
PCB-209	37.2	7.44	0.935	
Total monoCB	ND	2.48		
Total diCB	ND	2.48		
Total triCB	67.6	2.48		
Total tetraCB	388	4.96		
Total pentaCB	3860	4.96		
Total hexaCB	5950	4.96		B
Total heptaCB	2390	4.96		B
Total octaCB	643	7.44		
Total nonaCB	102	7.44		
Total decaCB	37.2	7.44		

Sample ID: **RGTRTCARP4** **EPA METHOD 1668**

Client Data

Name: Los Alamos National Laboratory
Project: NA
Date Collected: 2-May-02
Time Collected: 1035

Sample Data

Matrix: Tissue
Sample Size: 10.14 g
%Lipids: 0.661

Laboratory Data

Lab Sample: 22807-004 Date Received: 12-Sep-02
QC Batch No.: 3337 Date Extracted: 24-Sep-02
Date Analyzed DB-1: 1-Oct-02 TEQ(WHO-Mammal) : 0.206

Analyte	Conc. (pg/g)	RL	MDL	Qualifiers
PCB-1	ND	3.79	3.05	
PCB-2	ND	3.74	0.989	
PCB-3	ND	3.36	1.02	
PCB-4/10	ND	2.47	2.26	
PCB-5/8	ND	8.13	2.83	
PCB-6	ND	2.47	1.01	
PCB-7/9	ND	2.47	1.89	
PCB-11	ND	14.0	8.88	
PCB-12/13	ND	2.47	2.99	
PCB-14	ND	2.47	1.72	
PCB-15	ND	2.47	0.986	
PCB-16/32	ND	2.47	7.93	
PCB-17	ND	2.47	5.13	
PCB-18	ND	15.0	6.77	
PCB-19	ND	2.47	2.00	
PCB-20/21/33	ND	13.1	7.05	
PCB-22	12.5	2.47	2.43	
PCB-23	ND	2.47	0.547	
PCB-24/27	ND	2.47	1.24	
PCB-25	ND	2.47	0.580	
PCB-26	ND	2.47	0.856	
PCB-28	27.6	2.47	5.70	
PCB-29	ND	2.47	0.712	
PCB-30	ND	2.47	0.509	
PCB-31	28.0	2.47	6.05	
PCB-34	ND	2.47	1.18	
PCB-35	ND	2.47	0.384	
PCB-36	ND	2.47	0.448	
PCB-37	ND	2.47	1.47	
PCB-38	ND	2.47	0.462	
PCB-39	ND	2.47	0.407	
PCB-40	5.49	4.93	2.06	*
PCB-41/64/71/72	33.0	4.93	8.73	
PCB-42/59	10.5	4.93	3.93	*
PCB-43/49	40.3	4.93	9.57	
PCB-44	33.8	4.93	6.02	
PCB-45	ND	4.93	1.76	
PCB-46	ND	4.93	2.09	
PCB-47	22.7	4.93	3.99	
PCB-48/75	6.80	4.93	3.72	*
PCB-50	ND	4.93	0.583	
PCB-51	ND	4.93	2.70	
PCB-52/69	52.5	4.93	9.91	
PCB-53	ND	4.93	5.13	
PCB-54	ND	4.93	0.858	
PCB-55	ND	4.93	2.05	
PCB-56/60	35.7	4.93	4.05	
PCB-57	ND	4.93	1.71	
PCB-58	ND	4.93	1.62	
PCB-61	ND	4.93	2.04	
PCB-62	ND	4.93	1.48	
PCB-63	5.12	4.93	1.75	
PCB-65	ND	4.93	1.79	
PCB-66	71.1	4.93	4.39	
PCB-67	ND	4.93	1.95	
PCB-68	ND	4.93	1.74	
PCB-70	79.7	4.93	4.68	
PCB-73	ND	4.93	1.44	
PCB-74	51.9	4.93	3.17	
PCB-76	ND	4.93	2.03	
PCB-77	6.57	4.93	1.48	*
PCB-78	ND	4.93	1.44	
PCB-79	8.14	4.93	2.06	*
PCB-80	ND	4.93	1.73	

Sample ID: **RGTRTCARP4** **EPA METHOD 1668**

Client Data

Name: Los Alamos National Laboratory
Project: NA
Date Collected: 2-May-02
Time Collected: 1035

Sample Data

Matrix: Tissue
Sample Size: 10.14 g
%Lipids: 0.661

Laboratory Data

Lab Sample: 22807-004 Date Received: 12-Sep-02
QC Batch No.: 3337 Date Extracted: 24-Sep-02
Date Analyzed DB-1: 1-Oct-02 TEQ(WHO-Mammal) : 0.206

Analyte	Conc. (pg/g)	RL	MDL	Qualifiers
PCB-81	7.22	4.93	2.11	*
PCB-82	29.2	4.93	0.798	
PCB-83	ND	4.93	0.645	
PCB-84/92	115	4.93	1.15	
PCB-85/116	128	4.93	0.974	
PCB-86	ND	4.93	1.51	
PCB-87/117/125	171	4.93	1.74	
PCB-88/91	34.8	4.93	1.22	
PCB-89	ND	4.93	0.711	
PCB-90/101	676	4.93	3.17	
PCB-93	ND	4.93	1.69	
PCB-94	ND	4.93	0.758	
PCB-95/98/102	110	4.93	3.18	
PCB-96	ND	4.93	0.562	
PCB-97	175	4.93	0.808	
PCB-99	427	4.93	1.64	
PCB-100	ND	4.93	0.559	
PCB-103	ND	4.93	0.729	
PCB-104	ND	4.93	0.592	
PCB-105	181	4.93	1.90	
PCB-106/118	863	4.93	3.61	
PCB-107/109	62.6	4.93	1.20	
PCB-108/112	22.1	4.93	1.27	
PCB-110	265	4.93	1.81	
PCB-113	ND	4.93	0.804	
PCB-114	20.8	4.93	0.649	
PCB-111/115	20.7	4.93	1.52	
PCB-119	16.5	4.93	0.531	
PCB-120	ND	4.93	1.10	
PCB-121	ND	4.93	0.814	
PCB-122	ND	4.93	0.494	
PCB-123	18.3	4.93	0.716	
PCB-124	22.7	4.93	0.845	
PCB-126	ND	4.93	0.982	
PCB-127	ND	4.93	0.990	
PCB-128/162	249	4.93	2.72	
PCB-129	73.8	4.93	0.549	
PCB-130	159	4.93	1.05	
PCB-131	ND	4.93	3.77	
PCB-132/161	131	4.93	3.06	
PCB-133/142	45.3	4.93	7.36	
PCB-134/143	43.3	4.93	6.40	
PCB-135	50.9	4.93	1.56	
PCB-136	41.1	4.93	1.38	
PCB-137	115	4.93	1.13	
PCB-138/163/164	2060	4.93	7.05	
PCB-139/149	548	4.93	6.01	
PCB-140	7.52	4.93	3.74	*
PCB-141	250	4.93	1.74	
PCB-144	60.2	4.93	1.06	
PCB-145	ND	4.93	0.950	
PCB-146/165	396	4.93	1.64	
PCB-147	35.7	4.93	2.01	
PCB-148	ND	4.93	1.27	
PCB-150	ND	4.93	1.26	
PCB-151	237	4.93	1.41	
PCB-152	ND	4.93	1.05	
PCB-153	2640	4.93	5.63	B
PCB-154	14.6	4.93	1.07	
PCB-155	ND	4.93	0.504	
PCB-156	154	4.93	1.19	
PCB-157	16.8	4.93	1.10	
PCB-158/160	259	4.93	2.29	
PCB-159	25.0	4.93	1.21	

Sample ID: **RGTRTCARP4** **EPA METHOD 1668**

Client Data

Name: Los Alamos National Laboratory
Project: NA
Date Collected: 2-May-02
Time Collected: 1035

Sample Data

Matrix: Tissue
Sample Size: 10.14 g
%Lipids: 0.661

Laboratory Data

Lab Sample: 22807-004 Date Received: 12-Sep-02
QC Batch No.: 3337 Date Extracted: 24-Sep-02
Date Analyzed DB-1: 1-Oct-02 TEQ(WHO-Mammal) : 0.206

Analyte	Conc. (pg/g)	RL	MDL	Qualifiers
PCB-166	ND	4.93	0.823	
PCB-167	103	4.93	0.814	
PCB-168	ND	4.93	0.560	
PCB-169	ND	4.93	0.921	
PCB-170	435	4.93	2.06	
PCB-171	111	4.93	0.505	
PCB-172	104	4.93	0.427	
PCB-173	6.36	4.93	0.923	*
PCB-174	136	4.93	1.95	
PCB-175	20.4	4.93	0.902	
PCB-176	26.1	4.93	0.404	
PCB-177	261	4.93	0.528	
PCB-178	100	4.93	0.692	
PCB-179	74.2	4.93	0.508	
PCB-180	1290	4.93	2.46	B
PCB-181	ND	4.93	0.693	
PCB-182/187	920	4.93	1.87	
PCB-183	334	4.93	1.33	
PCB-184	ND	4.93	0.488	
PCB-185	48.7	4.93	0.805	
PCB-186	ND	4.93	0.373	
PCB-188	ND	4.93	4.55	
PCB-189	17.5	4.93	0.452	
PCB-190	98.9	4.93	0.762	
PCB-191	21.3	4.93	0.778	
PCB-192	ND	4.93	0.684	
PCB-193	69.7	4.93	0.471	
PCB-194	256	7.41	1.12	
PCB-195	102	7.41	1.72	
PCB-196/203	408	7.41	2.88	
PCB-197	13.0	7.41	0.832	*
PCB-198	16.7	7.41	1.70	*

Analyte	Conc. (pg/g)	RL	MDL	Qualifiers
PCB-199	391	7.41	1.14	
PCB-200	18.8	7.41	0.894	
PCB-201	35.3	7.41	1.04	
PCB-202	53.8	7.41	0.693	
PCB-204	ND	7.41	0.876	
PCB-205	12.8	7.41	0.717	*
PCB-206	151	7.41	1.87	
PCB-207	22.8	7.41	1.06	
PCB-208	46.7	7.41	1.10	
PCB-209	77.9	7.41	0.935	
Total monoCB	ND	2.47		
Total diCB	ND	2.47		
Total triCB	68.0	2.47		
Total tetraCB	471	4.93		
Total pentaCB	3360	4.93		
Total hexaCB	7700	4.93		B
Total heptaCB	4070	4.93		B
Total octaCB	1290	7.41		
Total nonaCB	220	7.41		
Total decaCB	77.9	7.41		

Sample ID: RGSI 1C **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 9-May-02
Time Collected: 1000

Sample Data
Matrix: Tissue
Sample Size: 25.11 g
%Lipids: 2.41

Laboratory Data
Lab Sample: 22514-016 Date Received: 17-Jul-02
QC Batch No.: 3162 Date Extracted: 26-Jul-02
Date Analyzed DB-1: 6-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-1	ND	0.00498	
PCB-2	ND	0.00498	
PCB-3	ND	0.00498	
PCB-4/10	ND	0.00996	
PCB-5/8	0.0158	0.00996	
PCB-6	ND	0.00498	
PCB-7/9	ND	0.00996	
PCB-11	0.00914	0.00498	B
PCB-12/13	ND	0.00996	
PCB-14	ND	0.00498	
PCB-15	ND	0.00498	
PCB-16/32	ND	0.0996	*
PCB-17	ND	0.0498	*
PCB-18	ND	0.0498	*
PCB-19	ND	0.0498	*
PCB-20/21/33	0.0345	0.0149	B
PCB-22	0.0239	0.00498	B
PCB-23	ND	0.00498	
PCB-24/27	ND	0.0996	*
PCB-25	ND	0.00498	
PCB-26	0.00911	0.00498	
PCB-28	0.0615	0.00498	B
PCB-29	ND	0.00498	
PCB-30	ND	0.0498	*
PCB-31	0.0707	0.00498	B
PCB-34	ND	0.00498	
PCB-35	ND	0.00498	
PCB-36	ND	0.00498	
PCB-37	0.0125	0.00498	B
PCB-38	ND	0.00498	
PCB-39	ND	0.00498	
PCB-40	0.0148	0.00996	
PCB-41/64/71/72	0.103	0.0398	
PCB-42/59	0.0320	0.0199	
PCB-43/49	0.106	0.0199	B
PCB-44	0.100	0.00996	B
PCB-45	0.0103	0.00996	
PCB-46	ND	0.00996	
PCB-47	0.0347	0.00996	
PCB-48/75	0.0213	0.0199	
PCB-50	ND	0.00996	
PCB-51	ND	0.00996	
PCB-52/69	0.155	0.0199	B
PCB-53	0.0102	0.00996	
PCB-54	ND	0.00996	
PCB-55	ND	0.00996	
PCB-56/60	0.0913	0.0199	
PCB-57	ND	0.00996	
PCB-58	ND	0.00996	
PCB-61	ND	0.00996	
PCB-62	ND	0.00996	
PCB-63	ND	0.00996	
PCB-65	ND	0.00996	
PCB-66	0.195	0.00996	B
PCB-67	ND	0.00996	
PCB-68	ND	0.00996	
PCB-70	0.211	0.00996	B
PCB-73	ND	0.00996	
PCB-74	0.103	0.00996	B
PCB-76	ND	0.00996	
PCB-77	0.0158	0.00996	
PCB-78	ND	0.00996	
PCB-79	0.0113	0.00996	
PCB-80	ND	0.00996	

Sample ID: **RGSI 1C** **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 9-May-02
Time Collected: 1000

Sample Data
Matrix: Tissue
Sample Size: 25.11 g
%Lipids: 2.41

Laboratory Data
Lab Sample: 22514-016 Date Received: 17-Jul-02
QC Batch No.: 3162 Date Extracted: 26-Jul-02
Date Analyzed DB-1: 6-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-81	0.0104	0.00996	
PCB-82	0.0472	0.00996	
PCB-83	ND	0.00996	
PCB-84/92	0.252	0.0199	
PCB-85/116	0.228	0.0199	
PCB-86	ND	0.00996	
PCB-87/117/125	0.378	0.0299	
PCB-88/91	0.0860	0.0199	
PCB-89	ND	0.00996	
PCB-90/101	1.44	0.0199	B
PCB-93	ND	0.00996	
PCB-94	ND	0.00996	
PCB-95/98/102	0.330	0.0299	
PCB-96	ND	0.00996	
PCB-97	0.306	0.00996	
PCB-99	0.761	0.00996	
PCB-100	ND	0.00996	
PCB-103	ND	0.00996	
PCB-104	ND	0.00996	
PCB-105	0.418	0.00996	
PCB-106/118	1.79	0.0199	
PCB-107/109	0.121	0.0199	
PCB-108/112	0.0319	0.0199	
PCB-110	0.885	0.00996	B
PCB-113	ND	0.00996	
PCB-114	0.0357	0.00996	
PCB-111/115	0.0410	0.0199	
PCB-119	0.0266	0.00996	
PCB-120	ND	0.00996	
PCB-121	ND	0.00996	
PCB-122	ND	0.00996	
PCB-123	0.0450	0.00996	
PCB-124	0.0514	0.00996	
PCB-126	ND	0.00996	
PCB-127	ND	0.00996	
PCB-128/162	0.492	0.0199	
PCB-129	0.117	0.00996	
PCB-130	0.226	0.00996	
PCB-131	ND	0.00996	
PCB-132/161	0.327	0.0199	
PCB-133/142	0.0996	0.0199	
PCB-134/143	0.0877	0.0199	
PCB-135	0.152	0.00996	
PCB-136	0.0942	0.00996	
PCB-137	0.216	0.00996	
PCB-138/163/164	3.78	0.0299	
PCB-139/149	1.61	0.0199	
PCB-140	0.0114	0.00996	
PCB-141	0.560	0.00996	
PCB-144	0.104	0.00996	
PCB-145	ND	0.00996	
PCB-146/165	0.658	0.0199	
PCB-147	0.0548	0.00996	
PCB-148	ND	0.00996	
PCB-150	ND	0.00996	
PCB-151	0.345	0.00996	
PCB-152	ND	0.00996	
PCB-153	4.97	0.00996	B
PCB-154	0.0255	0.00996	
PCB-155	ND	0.00996	
PCB-156	0.280	0.00996	
PCB-157	0.0449	0.00996	
PCB-158/160	0.436	0.0199	
PCB-159	0.0406	0.00996	

Sample ID: **RGSI 1C** **EPA METHOD 1668**

Client Data

Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 9-May-02
Time Collected: 1000

Sample Data

Matrix: Tissue
Sample Size: 25.11 g
%Lipids: 2.41

Laboratory Data

Lab Sample: 22514-016 Date Received: 17-Jul-02
QC Batch No.: 3162 Date Extracted: 26-Jul-02
Date Analyzed DB-1: 6-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-166	0.0146	0.00996	
PCB-167	0.180	0.00996	
PCB-168	ND	0.00996	
PCB-169	ND	0.00996	
PCB-170	0.906	0.0996	*
PCB-171	0.233	0.0996	*
PCB-172	0.223	0.0996	*
PCB-173	ND	0.0996	*
PCB-174	0.516	0.0996	*
PCB-175	ND	0.0996	*
PCB-176	ND	0.0996	*
PCB-177	0.493	0.0996	*
PCB-178	0.210	0.0996	*
PCB-179	0.179	0.0996	*
PCB-180	2.82	0.0996	*
PCB-181	ND	0.0996	*
PCB-182/187	1.70	0.199	*
PCB-183	0.752	0.0996	*
PCB-184	ND	0.0996	*
PCB-185	0.109	0.0996	*
PCB-186	ND	0.0996	*
PCB-188	ND	0.0996	*
PCB-189	ND	0.0996	*
PCB-190	0.186	0.0996	*
PCB-191	ND	0.0996	*
PCB-192	ND	0.0996	*
PCB-193	0.162	0.0996	*
PCB-194	0.550	0.149	*
PCB-195	0.179	0.149	*
PCB-196/203	0.937	0.299	*
PCB-197	ND	0.149	*
PCB-198	ND	0.149	*
PCB-199	0.912	0.149	*
PCB-200	ND	0.149	*
PCB-201	ND	0.149	*
PCB-202	ND	0.149	*
PCB-204	ND	0.149	*
PCB-205	ND	0.149	*
PCB-206	0.209	0.149	*
PCB-207	ND	0.149	*
PCB-208	ND	0.149	*
PCB-209	ND	0.149	*
Total monoCB	ND	0.00498	
Total diCB	0.0249	0.00498	B
Total triCB	0.212	0.0498	*,B
Total tetraCB	1.22	0.00996	B
Total pentaCB	7.27	0.00996	B
Total hexaCB	14.9	0.00996	B
Total heptaCB	8.49	0.0996	*
Total octaCB	2.58	0.149	*
Total nonaCB	0.209	0.149	*
Total decaCB	ND	0.149	*

Sample ID: **RGSI 2C** **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 9-May-02
Time Collected: 1000

Sample Data
Matrix: Tissue
Sample Size: 25.63 g
%Lipids: 4.65

Laboratory Data
Lab Sample: 22514-017 Date Received: 17-Jul-02
QC Batch No.: 3162 Date Extracted: 26-Jul-02
Date Analyzed DB-1: 6-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-1	0.00524	0.00488	
PCB-2	ND	0.00488	
PCB-3	0.00488	0.00488	
PCB-4/10	ND	0.00975	
PCB-5/8	0.0319	0.00975	
PCB-6	0.00506	0.00488	
PCB-7/9	ND	0.00975	
PCB-11	0.0188	0.00488	B
PCB-12/13	ND	0.00975	
PCB-14	ND	0.00488	
PCB-15	0.0109	0.00488	
PCB-16/32	ND	0.0975	*
PCB-17	0.0612	0.0488	*,B
PCB-18	0.0651	0.0488	*,B
PCB-19	ND	0.0488	*
PCB-20/21/33	0.0685	0.0146	B
PCB-22	0.0488	0.00488	B
PCB-23	ND	0.00488	
PCB-24/27	ND	0.0975	*
PCB-25	0.00750	0.00488	
PCB-26	0.0202	0.00488	
PCB-28	0.140	0.00488	B
PCB-29	ND	0.00488	
PCB-30	ND	0.0488	*
PCB-31	0.152	0.00488	B
PCB-34	ND	0.00488	
PCB-35	ND	0.00488	
PCB-36	ND	0.00488	
PCB-37	0.0248	0.00488	B
PCB-38	ND	0.00488	
PCB-39	ND	0.00488	
PCB-40	0.0312	0.00975	
PCB-41/64/71/72	0.257	0.0390	
PCB-42/59	0.0833	0.0195	
PCB-43/49	0.284	0.0195	B
PCB-44	0.243	0.00975	B
PCB-45	0.0210	0.00975	
PCB-46	ND	0.00975	
PCB-47	0.0915	0.00975	
PCB-48/75	0.0505	0.0195	
PCB-50	ND	0.00975	
PCB-51	ND	0.00975	
PCB-52/69	0.407	0.0195	B
PCB-53	0.0193	0.00975	
PCB-54	ND	0.00975	
PCB-55	ND	0.00975	
PCB-56/60	0.230	0.0195	
PCB-57	ND	0.00975	
PCB-58	ND	0.00975	
PCB-61	ND	0.00975	
PCB-62	ND	0.00975	
PCB-63	0.0204	0.00975	
PCB-65	ND	0.00975	
PCB-66	0.492	0.00975	B
PCB-67	0.00976	0.00975	
PCB-68	ND	0.00975	
PCB-70	0.537	0.00975	B
PCB-73	ND	0.00975	
PCB-74	0.245	0.00975	B
PCB-76	ND	0.00975	
PCB-77	0.0414	0.00975	
PCB-78	ND	0.00975	
PCB-79	0.0140	0.00975	
PCB-80	ND	0.00975	

Sample ID: RGSI 2C **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 9-May-02
Time Collected: 1000

Sample Data
Matrix: Tissue
Sample Size: 25.63 g
%Lipids: 4.65

Laboratory Data
Lab Sample: 22514-017 Date Received: 17-Jul-02
QC Batch No.: 3162 Date Extracted: 26-Jul-02
Date Analyzed DB-1: 6-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers	Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-81	0.0176	0.00975		PCB-124	0.0675	0.00975	
PCB-82	0.107	0.00975		PCB-126	ND	0.00975	
PCB-83	ND	0.00975		PCB-127	ND	0.00975	
PCB-84/92	0.441	0.0195		PCB-128/162	0.422	0.0195	
PCB-85/116	0.279	0.0195		PCB-129	0.103	0.00975	
PCB-86	ND	0.00975		PCB-130	0.194	0.00975	
PCB-87/117/125	0.550	0.0293		PCB-131	ND	0.00975	
PCB-88/91	0.155	0.0195		PCB-132/161	0.432	0.0195	
PCB-89	ND	0.00975		PCB-133/142	0.0851	0.0195	
PCB-90/101	1.80	0.0195	B	PCB-134/143	0.103	0.0195	
PCB-93	ND	0.00975		PCB-135	0.212	0.00975	
PCB-94	ND	0.00975		PCB-136	0.144	0.00975	
PCB-95/98/102	0.721	0.0293		PCB-137	0.169	0.00975	
PCB-96	ND	0.00975		PCB-138/163/164	3.14	0.0293	
PCB-97	0.446	0.00975		PCB-139/149	1.70	0.0195	
PCB-99	0.869	0.00975		PCB-140	0.0113	0.00975	
PCB-100	ND	0.00975		PCB-141	0.471	0.00975	
PCB-103	ND	0.00975		PCB-144	0.0948	0.00975	
PCB-104	ND	0.00975		PCB-145	ND	0.00975	
PCB-105	0.539	0.00975		PCB-146/165	0.485	0.0195	
PCB-106/118	1.66	0.0195		PCB-147	0.0481	0.00975	
PCB-107/109	0.131	0.0195		PCB-148	ND	0.00975	
PCB-108/112	0.0541	0.0195		PCB-150	ND	0.00975	
PCB-110	1.45	0.00975	B	PCB-151	0.400	0.00975	
PCB-113	ND	0.00975		PCB-152	ND	0.00975	
PCB-114	0.0357	0.00975		PCB-153	3.39	0.00975	B
PCB-111/115	0.0567	0.0195		PCB-154	0.0276	0.00975	
PCB-119	0.0317	0.00975		PCB-155	ND	0.00975	
PCB-120	ND	0.00975		PCB-156	0.205	0.00975	
PCB-121	ND	0.00975		PCB-157	0.0422	0.00975	
PCB-122	ND	0.00975		PCB-158/160	0.318	0.0195	
PCB-123	0.0623	0.00975		PCB-159	0.0199	0.00975	

Sample ID: **RGSI 2C** **EPA METHOD 1668**

Client Data

Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 9-May-02
Time Collected: 1000

Sample Data

Matrix: Tissue
Sample Size: 25.63 g
%Lipids: 4.65

Laboratory Data

Lab Sample: 22514-017 Date Received: 17-Jul-02
QC Batch No.: 3162 Date Extracted: 26-Jul-02
Date Analyzed DB-1: 6-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-166	0.0140	0.00975	
PCB-167	0.120	0.00975	
PCB-168	ND	0.00975	
PCB-169	ND	0.00975	
PCB-170	0.570	0.0975	*
PCB-171	0.144	0.0975	*
PCB-172	0.134	0.0975	*
PCB-173	ND	0.0975	*
PCB-174	0.392	0.0975	*
PCB-175	ND	0.0975	*
PCB-176	ND	0.0975	*
PCB-177	0.367	0.0975	*
PCB-178	0.152	0.0975	*
PCB-179	0.165	0.0975	*
PCB-180	1.49	0.0975	*
PCB-181	ND	0.0975	*
PCB-182/187	0.937	0.195	*
PCB-183	0.436	0.0975	*
PCB-184	ND	0.0975	*
PCB-185	ND	0.0975	*
PCB-186	ND	0.0975	*
PCB-188	ND	0.0975	*
PCB-189	ND	0.0975	*
PCB-190	0.111	0.0975	*
PCB-191	ND	0.0975	*
PCB-192	ND	0.0975	*
PCB-193	ND	0.0975	*
PCB-194	0.271	0.146	*
PCB-195	ND	0.146	*
PCB-196/203	0.564	0.293	*
PCB-197	ND	0.146	*
PCB-198	ND	0.146	*
PCB-199	0.600	0.146	*
PCB-200	ND	0.146	*
PCB-201	ND	0.146	*
PCB-202	ND	0.146	*
PCB-204	ND	0.146	*
PCB-205	ND	0.146	*
PCB-206	ND	0.146	*
PCB-207	ND	0.146	*
PCB-208	ND	0.146	*
PCB-209	ND	0.146	*
Total monoCB	0.0101	0.00488	
Total diCB	0.0666	0.00488	B
Total triCB	0.588	0.0488	*,B
Total tetraCB	3.10	0.00975	B
Total pentaCB	9.46	0.00975	B
Total hexaCB	12.3	0.00975	B
Total heptaCB	4.41	0.0975	*
Total octaCB	1.79	0.146	*
Total nonaCB	0.205	0.146	*
Total decaCB	ND	0.146	*

Sample ID: **RGSI 3C** **EPA METHOD 1668**

Client Data

Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 9-May-02
Time Collected: 1000

Sample Data

Matrix: Tissue
Sample Size: 25.51 g
%Lipids: 2.36

Laboratory Data

Lab Sample: 22514-018 Date Received: 17-Jul-02
QC Batch No.: 3162 Date Extracted: 26-Jul-02
Date Analyzed DB-1: 6-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-1	ND	0.00490	
PCB-2	ND	0.00490	
PCB-3	ND	0.00490	
PCB-4/10	ND	0.00980	
PCB-5/8	0.0210	0.00980	
PCB-6	ND	0.00490	
PCB-7/9	ND	0.00980	
PCB-11	0.0165	0.00490	B
PCB-12/13	ND	0.00980	
PCB-14	ND	0.00490	
PCB-15	0.00605	0.00490	
PCB-16/32	ND	0.0980	*
PCB-17	ND	0.0490	*
PCB-18	0.0492	0.0490	*,B
PCB-19	ND	0.0490	*
PCB-20/21/33	0.0416	0.0147	B
PCB-22	0.0305	0.00490	B
PCB-23	ND	0.00490	
PCB-24/27	ND	0.0980	*
PCB-25	ND	0.00490	
PCB-26	0.0119	0.00490	
PCB-28	0.0865	0.00490	B
PCB-29	ND	0.00490	
PCB-30	ND	0.0490	*
PCB-31	0.0992	0.00490	B
PCB-34	ND	0.00490	
PCB-35	ND	0.00490	
PCB-36	ND	0.00490	
PCB-37	0.0191	0.00490	B
PCB-38	ND	0.00490	
PCB-39	ND	0.00490	
PCB-40	0.0178	0.00980	
PCB-41/64/71/72	0.114	0.0392	
PCB-42/59	0.0370	0.0196	
PCB-43/49	0.118	0.0196	B
PCB-44	0.113	0.00980	B
PCB-45	0.0125	0.00980	
PCB-46	ND	0.00980	
PCB-47	0.0403	0.00980	
PCB-48/75	0.0211	0.0196	
PCB-50	ND	0.00980	
PCB-51	ND	0.00980	
PCB-52/69	0.163	0.0196	B
PCB-53	0.0110	0.00980	
PCB-54	ND	0.00980	
PCB-55	ND	0.00980	
PCB-56/60	0.100	0.0196	
PCB-57	ND	0.00980	
PCB-58	ND	0.00980	
PCB-61	ND	0.00980	
PCB-62	ND	0.00980	
PCB-63	ND	0.00980	
PCB-65	ND	0.00980	
PCB-66	0.205	0.00980	B
PCB-67	ND	0.00980	
PCB-68	ND	0.00980	
PCB-70	0.202	0.00980	B
PCB-73	ND	0.00980	
PCB-74	0.105	0.00980	B
PCB-76	ND	0.00980	
PCB-77	0.0239	0.00980	
PCB-78	ND	0.00980	
PCB-79	ND	0.00980	
PCB-80	ND	0.00980	

Sample ID: RGSI 3C **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
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Time Collected: 1000

Sample Data
Matrix: Tissue
Sample Size: 25.51 g
%Lipids: 2.36

Laboratory Data
Lab Sample: 22514-018 Date Received: 17-Jul-02
QC Batch No.: 3162 Date Extracted: 26-Jul-02
Date Analyzed DB-1: 6-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-81	ND	0.00980	
PCB-82	0.0342	0.00980	
PCB-83	ND	0.00980	
PCB-84/92	0.125	0.0196	
PCB-85/116	0.108	0.0196	
PCB-86	ND	0.00980	
PCB-87/117/125	0.188	0.0294	
PCB-88/91	0.0488	0.0196	
PCB-89	ND	0.00980	
PCB-90/101	0.610	0.0196	B
PCB-93	ND	0.00980	
PCB-94	ND	0.00980	
PCB-95/98/102	0.190	0.0294	
PCB-96	ND	0.00980	
PCB-97	0.134	0.00980	
PCB-99	0.320	0.00980	
PCB-100	ND	0.00980	
PCB-103	ND	0.00980	
PCB-104	ND	0.00980	
PCB-105	0.230	0.00980	
PCB-106/118	0.728	0.0196	
PCB-107/109	0.0568	0.0196	
PCB-108/112	ND	0.0196	
PCB-110	0.462	0.00980	B
PCB-113	ND	0.00980	
PCB-114	0.0148	0.00980	
PCB-111/115	0.0200	0.0196	
PCB-119	0.0115	0.00980	
PCB-120	ND	0.00980	
PCB-121	ND	0.00980	
PCB-122	ND	0.00980	
PCB-123	0.0298	0.00980	
PCB-124	0.0208	0.00980	
PCB-126	ND	0.00980	
PCB-127	ND	0.00980	
PCB-128/162	0.159	0.0196	
PCB-129	0.0353	0.00980	
PCB-130	0.0598	0.00980	
PCB-131	ND	0.00980	
PCB-132/161	0.125	0.0196	
PCB-133/142	0.0294	0.0196	
PCB-134/143	0.0280	0.0196	
PCB-135	0.0581	0.00980	
PCB-136	0.0338	0.00980	
PCB-137	0.0640	0.00980	
PCB-138/163/164	1.14	0.0294	
PCB-139/149	0.507	0.0196	
PCB-140	ND	0.00980	
PCB-141	0.146	0.00980	
PCB-144	0.0267	0.00980	
PCB-145	ND	0.00980	
PCB-146/165	0.184	0.0196	
PCB-147	0.0140	0.00980	
PCB-148	ND	0.00980	
PCB-150	ND	0.00980	
PCB-151	0.0906	0.00980	
PCB-152	ND	0.00980	
PCB-153	1.35	0.00980	B
PCB-154	ND	0.00980	
PCB-155	ND	0.00980	
PCB-156	0.100	0.00980	
PCB-157	0.0218	0.00980	
PCB-158/160	0.124	0.0196	
PCB-159	ND	0.00980	

Sample ID: **RGSI 3C** **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 9-May-02
Time Collected: 1000

Sample Data
Matrix: Tissue
Sample Size: 25.51 g
%Lipids: 2.36

Laboratory Data
Lab Sample: 22514-018 Date Received: 17-Jul-02
QC Batch No.: 3162 Date Extracted: 26-Jul-02
Date Analyzed DB-1: 6-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-166	ND	0.00980	
PCB-167	0.0596	0.00980	
PCB-168	ND	0.00980	
PCB-169	ND	0.00980	
PCB-170	0.220	0.0980	*
PCB-171	ND	0.0980	*
PCB-172	ND	0.0980	*
PCB-173	ND	0.0980	*
PCB-174	0.123	0.0980	*
PCB-175	ND	0.0980	*
PCB-176	ND	0.0980	*
PCB-177	0.110	0.0980	*
PCB-178	ND	0.0980	*
PCB-179	ND	0.0980	*
PCB-180	0.617	0.0980	*
PCB-181	ND	0.0980	*
PCB-182/187	0.380	0.196	*
PCB-183	0.170	0.0980	*
PCB-184	ND	0.0980	*
PCB-185	ND	0.0980	*
PCB-186	ND	0.0980	*
PCB-188	ND	0.0980	*
PCB-189	ND	0.0980	*
PCB-190	ND	0.0980	*
PCB-191	ND	0.0980	*
PCB-192	ND	0.0980	*
PCB-193	ND	0.0980	*
PCB-194	ND	0.147	*
PCB-195	ND	0.147	*
PCB-196/203	0.244	0.294	*
PCB-197	ND	0.147	*
PCB-198	ND	0.147	*
PCB-199	0.222	0.147	*
PCB-200	ND	0.147	*
PCB-201	ND	0.147	*
PCB-202	ND	0.147	*
PCB-204	ND	0.147	*
PCB-205	ND	0.147	*
PCB-206	ND	0.147	*
PCB-207	ND	0.147	*
PCB-208	ND	0.147	*
PCB-209	ND	0.147	*
Total monoCB	ND	0.00490	
Total diCB	0.0435	0.00490	B
Total triCB	0.338	0.0490	*,B
Total tetraCB	1.28	0.00980	B
Total pentaCB	3.33	0.00980	B
Total hexaCB	4.35	0.00980	B
Total heptaCB	1.62	0.0980	*
Total octaCB	0.466	0.147	*
Total nonaCB	ND	0.147	*
Total decaCB	ND	0.147	*

Sample ID: **RGSI 4C** **EPA METHOD 1668**

Client Data

Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 9-May-02
Time Collected: 1000

Sample Data

Matrix: Tissue
Sample Size: 25.24 g
%Lipids: 20.7

Laboratory Data

Lab Sample: 22514-019 Date Received: 17-Jul-02
QC Batch No.: 3162 Date Extracted: 26-Jul-02
Date Analyzed DB-1: 7-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-1	ND	0.00495	
PCB-2	ND	0.00495	
PCB-3	ND	0.00495	
PCB-4/10	ND	0.00990	
PCB-5/8	0.0458	0.00990	
PCB-6	0.00763	0.00495	
PCB-7/9	ND	0.00990	
PCB-11	0.0333	0.00495	
PCB-12/13	ND	0.00990	
PCB-14	ND	0.00495	
PCB-15	0.0139	0.00495	
PCB-16/32	0.132	0.0990	*,B
PCB-17	0.0784	0.0495	*,B
PCB-18	0.302	0.0495	*
PCB-19	ND	0.0495	*
PCB-20/21/33	0.127	0.0149	B
PCB-22	0.101	0.00495	B
PCB-23	ND	0.00495	
PCB-24/27	ND	0.0990	*
PCB-25	0.0177	0.00495	
PCB-26	0.0533	0.00495	
PCB-28	0.413	0.00495	B
PCB-29	ND	0.00495	
PCB-30	ND	0.0495	*
PCB-31	0.358	0.00495	B
PCB-34	ND	0.00495	
PCB-35	ND	0.00495	
PCB-36	ND	0.00495	
PCB-37	0.0466	0.00495	B
PCB-38	0.0116	0.00495	
PCB-39	ND	0.00495	
PCB-40	0.0851	0.00990	
PCB-41/64/71/72	0.857	0.0396	
PCB-42/59	0.272	0.0198	
PCB-43/49	1.11	0.0198	B
PCB-44	0.872	0.00990	B
PCB-45	0.0534	0.00990	
PCB-46	0.0113	0.00990	
PCB-47	0.501	0.00990	
PCB-48/75	0.152	0.0198	
PCB-50	ND	0.00990	
PCB-51	0.0130	0.00990	
PCB-52/69	1.62	0.0198	B
PCB-53	0.0563	0.00990	
PCB-54	ND	0.00990	
PCB-55	0.0453	0.00990	
PCB-56/60	0.982	0.0198	
PCB-57	ND	0.00990	
PCB-58	0.112	0.00990	
PCB-61	2.87	0.00990	
PCB-62	ND	0.00990	
PCB-63	0.115	0.00990	
PCB-65	ND	0.00990	
PCB-66	2.23	0.00990	B
PCB-67	0.0331	0.00990	
PCB-68	0.0220	0.00990	
PCB-70	2.15	0.00990	B
PCB-73	ND	0.00990	
PCB-74	1.32	0.00990	B
PCB-76	2.83	0.00990	
PCB-77	0.124	0.00990	
PCB-78	0.0153	0.00990	
PCB-79	0.132	0.00990	
PCB-80	ND	0.00990	

Sample ID: **RGSI 4C** **EPA METHOD 1668**

Client Data
Name: Los Alamos National Laboratory
Project: Rio Grande 2002
Date Collected: 9-May-02
Time Collected: 1000

Sample Data
Matrix: Tissue
Sample Size: 25.24 g
%Lipids: 20.7

Laboratory Data
Lab Sample: 22514-019 Date Received: 17-Jul-02
QC Batch No.: 3162 Date Extracted: 26-Jul-02
Date Analyzed DB-1: 7-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers	Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-81	0.130	0.00990		PCB-124	0.349	0.00990	
PCB-82	0.689	0.00990		PCB-126	0.0671	0.00990	
PCB-83	ND	0.00990		PCB-127	ND	0.00990	
PCB-84/92	2.84	0.0198		PCB-128/162	3.34	0.0198	
PCB-85/116	2.27	0.0198		PCB-129	0.900	0.00990	
PCB-86	5.73	0.00990		PCB-130	1.76	0.00990	
PCB-87/117/125	3.73	0.0297		PCB-131	ND	0.00990	
PCB-88/91	1.04	0.0198		PCB-132/161	3.78	0.0198	
PCB-89	0.0193	0.00990		PCB-133/142	0.517	0.0198	
PCB-90/101	12.0	0.0198	B	PCB-134/143	0.615	0.0198	
PCB-93	ND	0.00990		PCB-135	1.53	0.00990	
PCB-94	ND	0.00990		PCB-136	1.05	0.00990	
PCB-95/98/102	3.78	0.0297		PCB-137	1.40	0.00990	
PCB-96	0.0111	0.00990		PCB-138/163/164	24.4	0.0297	
PCB-97	3.40	0.00990		PCB-139/149	12.5	0.0198	
PCB-99	6.49	0.00990		PCB-140	0.0368	0.00990	
PCB-100	0.0253	0.00990		PCB-141	4.17	0.00990	
PCB-103	0.0448	0.00990		PCB-144	0.731	0.00990	
PCB-104	ND	0.00990		PCB-145	ND	0.00990	
PCB-105	4.27	0.00990		PCB-146/165	4.26	0.0198	
PCB-106/118	11.8	0.0198		PCB-147	0.387	0.00990	
PCB-107/109	0.770	0.0198		PCB-148	ND	0.00990	
PCB-108/112	0.412	0.0198		PCB-150	0.0171	0.00990	
PCB-110	9.41	0.00990	B	PCB-151	3.06	0.00990	
PCB-113	ND	0.00990		PCB-152	ND	0.00990	
PCB-114	0.301	0.00990		PCB-153	27.3	0.00990	B
PCB-111/115	0.300	0.0198		PCB-154	0.200	0.00990	
PCB-119	0.263	0.00990		PCB-155	ND	0.00990	
PCB-120	ND	0.00990		PCB-156	1.65	0.00990	
PCB-121	ND	0.00990		PCB-157	0.315	0.00990	
PCB-122	0.0792	0.00990		PCB-158/160	2.67	0.0198	
PCB-123	0.173	0.00990		PCB-159	0.194	0.00990	

Sample ID: **RGSI 4C** **EPA METHOD 1668**

Client Data

Name: Los Alamos National Laboratory
Project: Rio Grande 2002
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Time Collected: 1000

Sample Data

Matrix: Tissue
Sample Size: 25.24 g
%Lipids: 20.7

Laboratory Data

Lab Sample: 22514-019 Date Received: 17-Jul-02
QC Batch No.: 3162 Date Extracted: 26-Jul-02
Date Analyzed DB-1: 7-Aug-02

Analyte	Conc. (ng/g)	RL	Qualifiers
PCB-166	0.0842	0.00990	
PCB-167	0.998	0.00990	
PCB-168	ND	0.00990	
PCB-169	0.0125	0.00990	
PCB-170	4.35	0.00990	
PCB-171	1.17	0.00990	
PCB-172	0.984	0.00990	
PCB-173	0.0721	0.00990	
PCB-174	3.14	0.00990	
PCB-175	0.195	0.00990	
PCB-176	0.374	0.00990	
PCB-177	2.81	0.00990	
PCB-178	1.06	0.00990	
PCB-179	1.42	0.00990	
PCB-180	11.4	0.00990	
PCB-181	ND	0.00990	
PCB-182/187	8.47	0.0198	
PCB-183	3.09	0.00990	
PCB-184	0.0106	0.00990	
PCB-185	0.520	0.00990	
PCB-186	ND	0.00990	
PCB-188	0.0177	0.00990	
PCB-189	0.123	0.00990	
PCB-190	0.881	0.00990	
PCB-191	0.161	0.00990	
PCB-192	ND	0.00990	
PCB-193	0.612	0.00990	
PCB-194	2.12	0.0149	
PCB-195	0.956	0.0149	
PCB-196/203	3.35	0.0297	
PCB-197	0.107	0.0149	
PCB-198	0.141	0.0149	
PCB-199	3.49	0.0149	
PCB-200	0.239	0.0149	
PCB-201	0.302	0.0149	
PCB-202	0.615	0.0149	
PCB-204	ND	0.0149	
PCB-205	0.0750	0.0149	
PCB-206	1.04	0.0149	
PCB-207	0.136	0.0149	
PCB-208	0.412	0.0149	
PCB-209	0.562	0.0149	
Total monoCB	ND	0.00495	
Total diCB	0.101	0.00495	B
Total triCB	1.75	0.0495	*,B
Total tetraCB	12.8	0.00990	B
Total pentaCB	65.1	0.00990	B
Total hexaCB	98.3	0.00990	B
Total heptaCB	41.1	0.00990	
Total octaCB	11.4	0.0149	
Total nonaCB	1.59	0.0149	
Total decaCB	0.562	0.0149	


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